

選定された文献 (実験動物)

通し No.	エンドポイント	評価値算出機関	区分	タイトル	年	著者	雑誌	コメント
1	生殖・発生	ATSDR 2021	POD	Effects of developmental exposure to perfluorooctanoic acid (PFOA) on long bone morphology and bone cell differentiation	2016	Koskela et al.	Toxicol Appl Pharmacol	[Redacted]
2	生殖・発生	EPA 2016 (PFOA) FSANZ 2017	POD	Effects of perfluorooctanoic acid exposure during pregnancy in the mouse	2006	Lau et al.	Toxicol Sci	[Redacted]
3	生殖・発生	EPA 2016 (PFOS) ATSDR 2021 FSANZ 2017	POD	Two-generation reproduction and cross-foster studies of perfluorooctanesulfonate (PFOS) in rats	2005a	Luebker et al.	Toxicology	[Redacted]
4	生殖・発生	EPA 2023 (PFOS)	POD候補	Neonatal mortality from in utero exposure to perfluorooctanesulfonate (PFOS) in Sprague-Dawley rats: dose-response, and biochemical and pharmacokinetic parameters	2005b	Luebker et al.	Toxicology	[Redacted]
5	生殖・発生	EPA 2023 (PFOA)	POD候補	Effects of perfluorooctanoic acid exposure during pregnancy on the reproduction and development of male offspring mice	2018	Song et al.	Andrologia	[Redacted]
6	生殖・発生	EPA 2023 (PFOA)	POD候補	Perfluorooctanoic acid exposure during pregnancy alters the apoptosis of uterine cells in pregnant mice.	2018	Li et al.	Int J Clin Exp Pathol	[Redacted]
7	生殖・発生	EPA 2023 (PFOS)	POD候補	Effects of perfluorooctane sulfuric acid on placental PRL-family hormone production and fetal growth retardation in mice.	2015	Lee et al.	Mol Cell Endocrinol	[Redacted]
8	生殖・発生	EFSA 2020	POD候補	Prenatal perfluorooctanoic acid exposure in CD-1 mice: low-dose developmental effects and internal dosimetry.	2011	Macon et al.	Toxicol Sci	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
9	生殖・ 発生	EFSA 2020	POD候補	The mammary gland is a sensitive pubertal target in CD-1 and C57Bl/6 mice following perinatal perfluorooctanoic acid (PFOA) exposure.	2015	Tucker et al.	Reprod Toxicol	[Redacted]
10	生殖・ 発生	EFSA 2020	POD候補	Gestational and chronic low-dose PFOA exposures and mammary gland growth and differentiation in three generations of CD-1 mice.	2011	White et al.	Environ Health Perspect	[Redacted]
11	生殖・ 発生			Perfluorooctanoic acid induced developmental toxicity in the mouse is dependent on expression of peroxisome proliferator activated receptor-alpha	2007	Abbott et al.	Toxicol Sci	[Redacted]
12	生殖・ 発生			Maternal exposure causes mitochondrial dysfunction in brain, liver, and heart of mouse fetus: An explanation for perfluorooctanoic acid induced abortion and developmental toxicity	2019	Salimi et al.	Environ Toxicol	[Redacted]
13	生殖・ 発生			Developmental toxicity of perfluorooctanoic acid in the CD-1 mouse after cross-foster and restricted gestational exposures	2007	Wolf et al.	Toxicol Sci	[Redacted]
14	生殖・ 発生			Effects of perfluorooctanoic acid (PFOA) exposure to pregnant mice on reproduction	2010	Yahia et al.	J Toxicol Sci	[Redacted]
15	生殖・ 発生			Neonatal death of mice treated with perfluorooctane sulfonate	2008	Yahia et al.	J Toxicol Sci	[Redacted]
16	生殖・ 発生			Combined effects of perfluorooctane sulfonate (PFOS) and maternal restraint stress on hypothalamus adrenal axis (HPA) function in the offspring of mice	2010	Ribes et al.	Toxicol Appl Pharmacol	[Redacted]
17	生殖・ 発生			Gestational and lactational exposure to potassium perfluorooctanesulfonate (K+PFOS) in rats: developmental neurotoxicity	2009	Butenhoff et al.	Reprod Toxicol	[Redacted]
18	生殖・ 発生			Effects of prenatal perfluorooctane sulfonate (PFOS) exposure on lung maturation in the perinatal rat	2003	Grasty et al.	Birth Defects Res B Dev Reprod Toxicol	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
19	生殖・ 発生			Prenatal window of susceptibility to perfluorooctane sulfonate-induced neonatal mortality in the Sprague-Dawley rat	2003	Grasty et al.	Birth Defects Res B Dev Reprod Toxicol	[Redacted]
20	生殖・ 発生			Exposure to perfluorooctane sulfonate during pregnancy in rat and mouse. II: Postnatal Evaluation	2003	Lau et al.	Toxicol Sci	[Redacted]
21	生殖・ 発生			Exposure to perfluorooctane sulfonate during pregnancy in rat and mouse. I: Maternal and Prenatal Evaluations	2003	Thibodeaux et al.	Toxicol Sci	[Redacted]
22	生殖・ 発生			Effects of developmental perfluorooctane sulfonate exposure on spatial learning and memory ability of rats and mechanism associated with synaptic plasticity	2015	Wang et al.	Food Chem Toxicol	[Redacted]
23	生殖・ 発生			Window of susceptibility to perfluorooctane sulfonate (PFOS)-induced neonatal mortality in the rat	2003	Grasty et al.	Res B Dev Reprod Toxicol	[Redacted]
24	生殖・ 発生			Glucose and lipid homeostasis in adult rat is impaired by early-life exposure to perfluorooctane sulfonate	2014	Lv et al.	Environ Toxicol	[Redacted]
25	生殖・ 発生			Gestational and lactational exposure to potassium perfluorooctanesulfonate (K+PFOS) in rats: toxicokinetics, thyroid hormone status, and related gene expression	2009	Chang et al.	Reprod Toxicol	[Redacted]
26	生殖・ 発生			Prenatal and postnatal impact of perfluorooctane sulfonate (PFOS) on rat development: a cross-foster study on chemical burden and thyroid hormone system	2009	Yu et al.	Environ Sci Technol	[Redacted]
27	生殖・ 発生			Perfluorooctane sulfonate induces apoptosis of hippocampal neurons in rat offspring associated with calcium overload	2015	Wang et al.	Toxicology Research	[Redacted]
28	生殖・ 発生			Inflammation-like glial response in rat brain induced by prenatal PFOS exposure	2011	Zeng et al.	Neurotoxicology	[Redacted]
29	生殖・ 発生			Developmental perfluorooctane sulfonate exposure inhibits long-term potentiation by affecting AMPA receptor trafficking	2019	Zhang et al.	Toxicology	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
30	代謝	Health Canada 2018 (PFOA)	POD	13-week dietary toxicity study of ammonium perfluorooctanoate (APFO) in male rats	2004	Perkins et al.	Drug Chem Toxicol	[Redacted]
31	代謝	ATSDR 2021 ANSES 2017	POD	Evaluation of potential reproductive and developmental toxicity of potassium perfluorohexanesulfonate in Sprague Dawley rats	2009	Butenhoff et al.	Reprod Toxicol	[Redacted]
32	代謝		専門委員 /専門参 考人選択	Involvement of oxidative stress and inflammation in liver injury caused by perfluorooctanoic acid exposure in mice	2014	Yang et al.	Biomed Res Int	[Redacted]
33	代謝		専門委員 /専門参 考人選択	Subchronic toxicity studies on perfluorooctanesulfonate potassium salt in cynomolgus monkeys	2002	Seacat et al.	Toxicol Sci	[Redacted]
34	代謝		専門委員 /専門参 考人選択	Perfluorooctanoic acid-induced hepatic toxicity following 21-day oral exposure in mice	2008	Son et al.	Arch Toxicol	[Redacted]
35	代謝			The effects of perfluorooctanoate on high fat diet induced non-alcoholic fatty liver disease in mice	2019	Li et al.	Toxicology	-
36	代謝			Adverse bioeffect of perfluorooctanoic acid on liver metabolic function in mice	2018	Wu et al.	Environ Sci Pollut Res Int	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
37	代謝			Comparative hepatic effects of perfluorooctanoic acid and WY 14,643 in PPAR-alpha knockout and wild-type mice	2008	Wolf et al.	Toxicol Pathol	[Redacted]
38	代謝			Gene expression profiling in wild-type and PPAR α -null mice exposed to perfluorooctane sulfonate reveals PPAR α -independent effects	2010	Rosen et al.	PPAR Research	[Redacted]
39	代謝			Effects of perfluoro fatty acids on peroxisome proliferation and mitochondrial size in mouse liver: Dose and time factors and effect of chain length	1993	Permadi et al.	Xenobiotica	[Redacted]
40	代謝			Animal toxicity studies with ammonium perfluorooctanoate	1980	Griffith and Long	Am Ind Hyg Assoc J	[Redacted]
41	代謝			Studies on the toxicological effects of PFOA and PFOS on rats using histological observation and chemical analysis	2009	Cui et al.	Arch Environ Contam Toxicol	[Redacted]
42	代謝			Inhalation toxicity of ammonium perfluorooctanoate	1986	Kennedy et al.	Food Chem Toxicol	[Redacted]
43	代謝			Characterization of hepatic responses of rat to administration of perfluorooctanoic and perfluorodecanoic acids at low levels	1995	Kawashima et al.	Toxicology	[Redacted]
44	代謝			Mechanisms of extrahepatic tumor induction by peroxisome proliferators in male CD rats	2001	Biegel et al.	Toxicol Sci	[Redacted]
45	代謝			Induction of apoptosis and CYP4A1 expression in Sprague-Dawley rats exposed to low doses of perfluorooctane sulfonate	2011	Kim et al.	J Toxicol Sci	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
46	代謝			Gene expression profiles in rat liver treated with perfluorooctanoic acid (PFOA)	2006	Guruge et al.	Toxicol Sci	[Redacted]
47	代謝			Toxicity of ammonium perfluorooctanoate in male cynomolgus monkeys after oral dosing for 6 months	2002	Butenhoff et al.	Toxicol Sci	[Redacted]
48	免疫	EPA 2023 (PFOS)	POD候補	NTP technical report on the toxicity studies of perfluoroalkyl sulfonates (perfluorobutane sulfonic acid, perfluorohexane sulfonate potassium salt, and perfluorooctane sulfonic acid) administered by gavage to Sprague Dawley (Hsd:Sprague Dawley SD) rats	2019	NTP	-	[Redacted]
49	免疫	EPA 2023 (PFOA)	POD候補	Perfluorooctanoic acid-induced immunomodulation in adult C57BL/6J or C57BL/6N female mice	2008	Dewitt et al.	Environ Health Perspect	[Redacted]
50	免疫	EPA 2023 (PFOS)	POD候補	Testosterone-Mediated Endocrine Function and TH1/TH2 Cytokine Balance after Prenatal Exposure to Perfluorooctane Sulfonate: By Sex Status.	2016	Zhong et al.	Int J Mol Sci	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
51	免疫	EPA 2023 (PFOA)	POD候補	Evaluation of the immune system in rats and mice administered linear ammonium perfluorooctanoate.	2008	Loveless et al.	Toxicol Sci	[Redacted]
52	免疫		専門委員 /専門参 考人選択	Chronic effects of perfluorooctanesulfonate exposure on immunotoxicity in adult male C57BL/6 mice	2009	Dong et al.	Arch Toxicol	[Redacted]
53	免疫		専門委員 /専門参 考人選択	Suppression of humoral immunity in mice following exposure to perfluorooctane sulfonate	2008	Peden-Adams et al.	Toxicol Sci	[Redacted]
54	免疫		専門委員 /専門参 考人選択	Perfluorooctanoic acid alters T lymphocyte phenotypes and cytokine expression in mice	2009	Son et al.	Environ Toxicol	[Redacted]
55	免疫		専門委員 /専門参 考人選択	Exposure to the immunosuppressant, perfluorooctanoic acid, enhances the murine IgE and airway hyperreactivity response to ovalbumin	2007	Fairley et al.	Toxicol Sci	[Redacted]
56	免疫		専門委員 /専門参 考人選択	Subchronic effects of perfluorooctanesulfonate exposure on inflammation in adult male C57BL/6 mice	2012	Dong et al.	Environ Toxicol	[Redacted]
57	免疫			Perfluorooctanoic acid induces mast cell-mediated allergic inflammation by the release of histamine and inflammatory mediators	2012	Singh et al.	Toxicol Lett	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
58	免疫			Immunotoxic changes associated with a 7-day oral exposure to perfluorooctanesulfonate (PFOS) in adult male C57BL/6 mice	2009	Zheng et al.	Arch Toxicol	[Redacted]
59	免疫			Effects of environmentally-relevant levels of perfluorooctane sulfonate on clinical parameters and immunological functions in B6C3F1 mice	2011	Fair et al.	J Immunotoxicol	[Redacted]
60	免疫			Effect of perfluorooctane sulfonate (PFOS) on influenza A virus-induced mortality in female B6C3F1 mice	2009	Guruge et al.	J Toxicol Sci	[Redacted]
61	免疫			Effects of perfluorooctane sulfonate (PFOS) exposure on markers of inflammation in female B6C3F1 mice	2011	Mollenhauer et al.	J Environ Sci Health A Tox Hazard Subst Environ Eng	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
62	神経	EPA 2021 (PFOS)	POD候補	Neurotoxic effects of lactational exposure to perfluorooctane sulfonate on learning and memory in adult male mouse	2020	Mshaty et al.	Food Chem Toxicol	[Redacted]
63	神経		専門委員 /専門参 考人選択	Neurotoxicity of perfluorooctane sulfonate to hippocampal cells in adult mice	2013	Long et al.	PLoS ONE	[Redacted]
64	神経			The ubiquitous environmental pollutant perfluorooctanoic acid inhibits feeding behavior via peroxisome proliferator-activated receptor-alpha	2008	Asakawa et al.	Int J Mol Med	[Redacted]
65	神経			Behavioral effects in adult mice exposed to perfluorooctane sulfonate (PFOS)	2007	Fuentes et al.	Toxicology	[Redacted]
66	神経			Perfluorooctane sulfonate disrupts the blood brain barrier through the crosstalk between endothelial cells and astrocytes in mice	2019	Yu et al.	Environ Pollut	[Redacted]
67	神経			Perfluorooctane sulfonate (PFOS) exposure could modify the dopaminergic system in several limbic brain regions	2008	Salgado et al.	Toxicol Lett	[Redacted]
68	神経			Ultrasonic-induced tonic convulsion in rats after subchronic exposure to perfluorooctane sulfonate (PFOS)	2011	Kawamoto et al.	J Toxicol Sci	[Redacted]
69	神経			Effects of subchronic perfluorooctane sulfonate exposure of rats on calcium-dependent signaling molecules in the brain tissue	2010	Liu et al.	Arch Toxicol	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
70	内分泌			Effects of perfluorooctane sulfonate on rat thyroid hormone biosynthesis and metabolism	2009	Yu et al.	Environ Toxicol Chem	[Redacted]
71	内分泌			Regulation of corticosterone secretion is modified by PFOS exposure at different levels of the hypothalamic-pituitary-adrenal axis in adult male rats	2014	Pereiro et al.	Toxicol Lett	[Redacted]
72	内分泌			Initial study on the possible mechanisms involved in the effects of high doses of perfluorooctane sulfonate (PFOS) on prolactin secretion	2015	Salgado et al.	Food Chem Toxicol	[Redacted]
73	内分泌			Perfluorooctane sulfonate (PFOS) can alter the hypothalamic-pituitary-adrenal (HPA) axis activity by modifying CRF1 and glucocorticoid receptors	2018	Salgado-Freiria et al.	Toxicol Lett	[Redacted]
74	内分泌			Perfluorooctane sulfonate effects on the reproductive axis in adult male rats	2014	López-Doval et al.	Environ Res	[Redacted]
75	内分泌			Estrogen-like activity of perfluoroalkyl acids in vivo and interaction with human and rainbow trout estrogen receptors in vitro	2011	Benninghof et al.	Toxicol Sci	[Redacted]
76	内分泌			Estrogen-like properties of perfluorooctanoic acid as revealed by expressing hepatic estrogen-responsive genes in rare minnows (<i>Gobio cypris rarus</i>)	2007	Wei et al.	Environ Toxicol Chem	[Redacted]
77	心血管			The roles of bone morphogenetic protein 2 in perfluorooctanoic acid induced developmental cardiotoxicity and l-carnitine mediated protection	2018	Lv et al.	Toxicol Appl Pharmacol	[Redacted]
78	腎臓			Elimination and toxicity of perfluorooctanoic acid during subchronic administration in the Wistar rat	1987	Hanhijärvi et al.	Pharmacol Toxicol	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
79	腎臓			Oxidative stress and Cx43-mediated apoptosis are involved in PFOS-induced nephrotoxicity	2022	Tang et al.	Toxicology	[Redacted]
80	その他			Perfluorooctane sulfonic acid disrupts protective tight junction proteins via protein kinase D in airway epithelial cells	2022	Lucas et al.	Toxicol Sci	[Redacted]

通し No.	エンド ポイント	評価値算出 機関	区分	タイトル	年	著者	雑誌	コメント
81	発がん 性	EPA 2023 (PFOS) Health Canada 2018 (PFOS)	POD	Chronic dietary toxicity and carcinogenicity study with potassium perfluorooctanesulfonate in Sprague Dawley rats	2012	Butenhoff et al.	Toxicology	[Redacted]
82	発がん 性	EPA 2023 (PFOS)	POD	104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats (pp. 1-216).	2002	Thomford	3M	-
83	発がん 性	EPA 2023 (PFOA)	POD候補	NTP technical report on the toxicology and carcinogenesis studies of perfluorooctanoic acid (CASRN 335-67- 1) administered in feed to Sprague Dawley (Hsd:Sprague Dawley SD) rats [NTP]	2020	NTP	-	[Redacted]
84	発がん 性		専門委員 /専門参 考人選択	Evaluation of the chronic toxicity and carcinogenicity of perfluorohexanoic acid (PFHxA) in Sprague-Dawley rats	2015	Klaunig et al.	Toxicol Pathol	[Redacted]
85	発がん 性			Induction of Leydig cell adenomas by ammonium perfluorooctanoate: a possible endocrine-related mechanism	1992	Cook et al.	Toxicol Appl Pharmacol	[Redacted]

通し No.	エンドポイント	評価値算出機関	区分	タイトル	年	著者	雑誌	コメント
86	発がん性			Exposure to perfluorooctanoic acid leads to promotion of pancreatic cancer	2022	Kamendulis et al.	Carcinogenesis	[Redacted]
87	発がん性			Chronic dietary toxicity and carcinogenicity study with ammonium perfluorooctanoate in Sprague-Dawley rats	2012	Butenhoff et al.	Toxicology	[Redacted]
88	遺伝毒性			Mutagenic Effects of Perfluorooctanesulfonic Acid in gpt Delta Transgenic System Are Mediated by Hydrogen Peroxide.	2015	Wang et al.	Environ Sci Technol	[Redacted]
89	遺伝毒性			Can sustained exposure to PFAS trigger a genotoxic response? A comprehensive genotoxicity assessment in mice after subacute oral administration of PFOA and PFBA	2019	Crebelli et al.	Regul Toxicol Pharmacol	[Redacted]
90	遺伝毒性			Evaluation of perfluorooctanoate for potential genotoxicity	2014	Butenhoff et al.	Toxicol Rep	[Redacted]
91	遺伝毒性			The protective role of curcumin on perfluorooctane sulfonate-induced genotoxicity: Single cell gel electrophoresis and micronucleus test	2013	Çelik et al.	Food Chem Toxicol	[Redacted]
92	遺伝毒性			Curcumin prevents perfluorooctane sulfonate-induced genotoxicity and oxidative DNA damage in rat peripheral blood	2016	Eke et al.	Drug Chem Toxicol	[Redacted]
93	遺伝毒性			In vitro assessment of the cytotoxic and mutagenic potential of perfluorooctanoic acid	2008	Fernández et al.	Toxicol In Vitro	[Redacted]
94	遺伝毒性			Peroxisome proliferator activated receptor-mediated genotoxicity of perfluoroalkyl acids using human lymphoblastoid cells	2016	Nakamura et al.	Fundamental Toxicol Sci	[Redacted]
95	遺伝毒性			Perfluoroalkylated substances (PFAS) affect oxidative stress biomarkers in vitro	2015	Wielsøe et al.	Chemosphere	[Redacted]