Hydroxypropylmethyl cellulose acetate succinate (Mw: 20-100k Da)

Cat. No.:	HY-152927		
CAS No.:	71138-97-1		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month

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SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (Need ultrasonic) H_2O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution

BIOLOGICAL ACTIVITY

Description	Hydroxypropylmethyl cellulose acetate succinate (Mw: 20-100k Da) is a cosolvent for preparing SDDs of low-solubility agents. Hydroxypropylmethyl cellulose acetate succinate (Mw: 20-100k Da) exhibits no acute/subchronic/chronic toxicity in rats, with oral activity and LD_{50} >2.5 g/kg[1].
In Vivo	Hydroxypropylmethyl cellulose acetate succinate (2.5 g/kg; p.o.; single dose) has insignificant acute toxicity in rats[1]. Hydroxypropylmethyl cellulose acetate succinate (0.63, 1.25, 2.5 g/kg; p.o.; once daily for 2 months, 6 days for per weeks) shows insignificant subchronic toxicity in rats[1]. Hydroxypropylmethyl cellulose acetate succinate (1.25 g/kg, 2.5 g/kg; p.o.; once daily for 2 months, 6 days for per weeks) shows insignificant chronic toxicity in rats[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hoshi N, et al. Toxicological studies of hydroxypropylmethylcellulose acetate succinate--acute toxicity in rats and rabbits, and subchronic and chronic toxicities in rats. J Toxicol Sci. 1985 Oct;10 Suppl 2:147-85.

Caution: Product has not been fully validated for medical applications. For research use only.

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