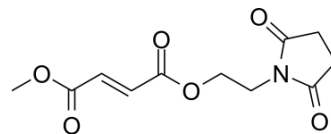


Diroximel fumarate

Cat. No.:	HY-100375		
CAS No.:	1577222-14-0		
Molecular Formula:	C ₁₁ H ₁₃ NO ₆		
Molecular Weight:	255.22		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (489.77 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9182 mL	19.5909 mL	39.1819 mL
	5 mM	0.7836 mL	3.9182 mL	7.8364 mL
	10 mM	0.3918 mL	1.9591 mL	3.9182 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.08 mg/mL (8.15 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (8.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (8.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Diroximel fumarate (ALKS 8700) is an orally-active and well-tolerated monomethyl fumarate (MMF) prodrug in a controlled-release formulation. Diroximel fumarate is considered as active equivalent to its active metabolite dimethyl fumarate (DMF). Diroximel fumarate has a favorable safety and efficacy profile, has the potential for the study of multiple sclerosis (MS)^[1].

REFERENCES

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

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