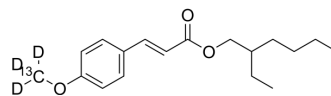


(E)-Octinoxate-¹³C,₃D₃

Cat. No.:	HY-B1234AS	
CAS No.:	2734919-82-3	
Molecular Formula:	C ₁₇ ¹³ CH ₂₃ D ₃ O ₃	
Molecular Weight:	294.41	
Target:	Isotope-Labeled Compounds	
Pathway:	Others	
Storage:	Pure form	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 60 mg/mL (203.80 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.3966 mL	16.9831 mL	33.9662 mL
5 mM	0.6793 mL	3.3966 mL	6.7932 mL
10 mM	0.3397 mL	1.6983 mL	3.3966 mL

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

BIOLOGICAL ACTIVITY

Description

(E)-Octinoxate-¹³C,₃D₃ is the ¹³C- and deuterium labeled (E)-Octinoxate[1].

In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[26].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-223.

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

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