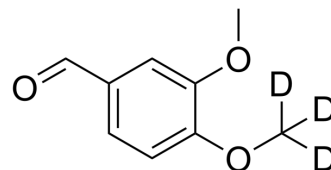


Veratraldehyde-d₃

Cat. No.:	HY-N1096S1	
CAS No.:	143318-06-3	
Molecular Formula:	C ₉ H ₇ D ₃ O ₃	
Molecular Weight:	169.19	
Target:	Isotope-Labeled Compounds	
Pathway:	Others	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (591.05 mM; Need ultrasonic)
 DMSO : 100 mg/mL (591.05 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.9105 mL	29.5526 mL	59.1051 mL
	5 mM	1.1821 mL	5.9105 mL	11.8210 mL
	10 mM	0.5911 mL	2.9553 mL	5.9105 mL

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

BIOLOGICAL ACTIVITY

Description

Veratraldehyde-d₃ is the deuterium labeled Veratraldehyde[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^[1].

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA