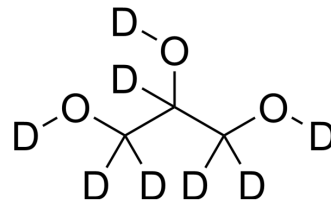


Glycerol-d₈

Cat. No.:	HY-W127572	
CAS No.:	7325-17-9	
Molecular Formula:	C ₃ D ₈ O ₃	
Molecular Weight:	100.14	
Target:	Isotope-Labeled Compounds	
Pathway:	Others	
Storage:	Pure form	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (998.60 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	9.9860 mL	49.9301 mL	99.8602 mL
	5 mM	1.9972 mL	9.9860 mL	19.9720 mL
	10 mM	0.9986 mL	4.9930 mL	9.9860 mL

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

BIOLOGICAL ACTIVITY

Description

Glycerol-d₈ is the deuterium labeled Glycerol[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 Feb;53(2):211-216.

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

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