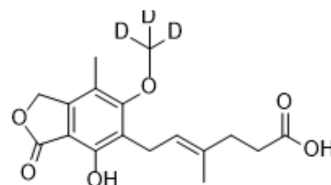


Mycophenolic acid-d₃

Cat. No.:	HY-B0421S		
CAS No.:	1185242-90-3		
Molecular Formula:	C ₁₇ H ₁₇ D ₃ O ₆		
Molecular Weight:	323.36		
Target:	Bacterial; Apoptosis; Fungal; Antibiotic; Endogenous Metabolite; Isotope-Labeled Compounds; Flavivirus		
Pathway:	Anti-infection; Apoptosis; Metabolic Enzyme/Protease; 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 : 100 mg/mL (309.25 mM; Need ultrasonic)

DMSO : ≥ 100 mg/mL (309.25 mM)

H₂O : 0.1 mg/mL (0.31 mM; Need ultrasonic)

* "≥" means soluble, but saturation unknown.

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0925 mL	15.4626 mL	30.9253 mL
	5 mM	0.6185 mL	3.0925 mL	6.1851 mL
	10 mM	0.3093 mL	1.5463 mL	3.0925 mL

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

BIOLOGICAL ACTIVITY

Description

Mycophenolic acid-d₃ is deuterium labeled Mycophenolic acid, which is an immunosuppressant agent and has potent anti-proliferative activity.

REFERENCES

- [1]. Diamond, M.S, et al. Mycophenolic acid inhibits dengue virus infection by preventing replication of viral RNA. 2002 Dec 20;304(2):211-21.
- [2]. Takhampunya, R, et al. Inhibition of dengue virus replication by mycophenolic acid and ribavirin. 2006 Jul;87(Pt 7):1947-1952.

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

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