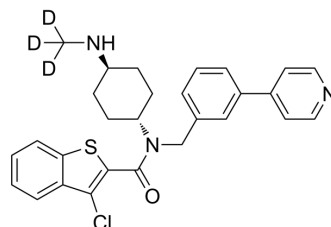


SAG-d₃

Cat. No.: HY-12848S
Molecular Formula: C₂₈H₂₅D₃ClN₃OS
Molecular Weight: 493.08
Target: Smo
Pathway: Stem Cell/Wnt
Storage: -20°C, protect from light, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (202.81 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0281 mL	10.1403 mL	20.2807 mL
	5 mM	0.4056 mL	2.0281 mL	4.0561 mL
	10 mM	0.2028 mL	1.0140 mL	2.0281 mL

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

BIOLOGICAL ACTIVITY

Description

SAG-d₃ is deuterium labeled SAG. SAG is a potent Smoothed (Smo) receptor agonist (EC₅₀=3 nM; K_d=59 nM)[1].

REFERENCES

[1]. Chen JK, et al. Small molecule modulation of Smoothed activity. Proc Natl Acad Sci U S A. 2002 Oct 29;99(22):14071-6.

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

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