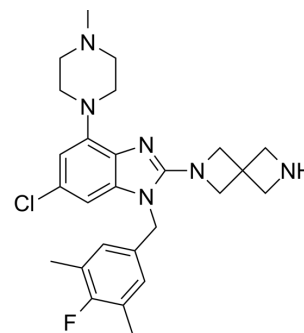


SOS1 activator 1

Cat. No.: HY-111671
CAS No.: 2245237-53-8
Molecular Formula: C₂₆H₃₂ClFN₆
Molecular Weight: 483.02
Target: Ras
Pathway: GPCR/G Protein; MAPK/ERK Pathway
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (20.70 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0703 mL	10.3515 mL	20.7031 mL
	5 mM	0.4141 mL	2.0703 mL	4.1406 mL
	10 mM	0.2070 mL	1.0352 mL	2.0703 mL

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

BIOLOGICAL ACTIVITY

Description

SOS1 activator 1 (Compound 64) is a potent activator of SOS1-mediated nucleotide exchange with a K_d of 44 nM. SOS1 is a guanine nucleotide exchange factor that catalyzes the exchange of GDP for GTP on RAS^[1].

REFERENCES

[1]. Timothy R Hodges, et al. Discovery and Structure-Based Optimization of Benzimidazole-Derived Activators of SOS1-Mediated Nucleotide Exchange on RAS. J Med Chem. 2018 Oct 11;61(19):8875-8894.

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

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