

SOS1-IN-18

Chemical Properties

CAS No. :

Formula: C₂₆H₂₉F₃N₄O₂

Molecular Weight: 486.53

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	SOS1-IN-18 (Compound 8) is an inhibitor of the Son of Sevenless 1 protein (SOS1) with a dissociation constant (KD) of 2.6 nM. It disrupts the SOS1-KRAS G12C interaction with an IC ₅₀ of 3.4 nM, inhibits ERK phosphorylation in H358 cells with an IC ₅₀ of 31 nM, and curtails the proliferation of H358 cells with an IC ₅₀ of 5 nM.
Targets(IC ₅₀)	ERK,Raf,Ras

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0554 mL	10.2769 mL	20.5537 mL
5 mM	0.4111 mL	2.0554 mL	4.1107 mL
10 mM	0.2055 mL	1.0277 mL	2.0554 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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