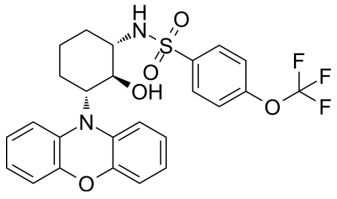
(1S,2S,3R)-DT-061

Cat. No.:	HY-112929B
CAS No.:	1809427-20-0
Molecular Formula:	$C_{25}H_{23}F_3N_2O_5S$
Molecular Weight:	520.52
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (240.14 mM; Need ultrasonic)

H_2O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.9212 mL	9.6058 mL	19.2116 mL
	5 mM	0.3842 mL	1.9212 mL	3.8423 mL
	10 mM	0.1921 mL	0.9606 mL	1.9212 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (4.00 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (4.00 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(1S,2S,3R)-DT-061 is an enantiomer of DT-061 (HY-112929). DT-061 is an orally active activator of protein phosphatase 2A (PP2A). (1S,2S,3R)-DT-061 can be used as a negative control in the research of KRAS-mutant and MYC-driven lung cancer tumorigenesis[1].

REFERENCES

[1]. Kauko O, et al. PP2A inhibition is a druggable MEK inhibitor resistance mechanism in KRAS-mutant lung cancer cells. Sci Transl Med. 2018 Jul 18;10(450). pii: eaaq1093.

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

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