Data Sheet (Cat.No.T38961L)

TargetMol

DP-1 hydrochloride

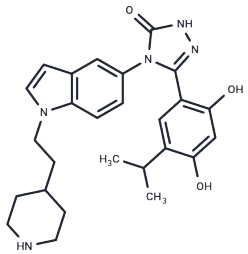
Chemical Properties

CAS No. : 1472616-35-5

Formula: C26H32ClN5O3

Molecular Weight: 498.02

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	DP-1 hydrochloride is a degradation product of SDC-TRAP-0063, a fragment of Ganetespib, a heat shock protein 90 (HSP90) inhibitor with antitumor activity.
Targets(IC50)	Drug Metabolite

Solubility Information

Solubility	DMSO: 45 mg/mL (90.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.008 mL	10.0398 mL	20.0795 mL
5 mM	0.4016 mL	2.008 mL	4.0159 mL
10 mM	0.2008 mL	1.004 mL	2.008 mL
50 mM	0.0402 mL	0.2008 mL	0.4016 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.

Reference

Chimmanamada DU, et al. Targeted therapeutics. US20140079636A1.
Helin K, et al. Heterodimerization of the transcription factors E2F-1 and DP-1 leads to cooperative trans-activation. Genes Dev. 1993;7(10):1850-1861.
Ishida H, et al. Identification and characterization of novel isoforms of human DP-1: DP-1{alpha} regulates the transcriptional activity of E2F1 as well as cell cycle progression in a dominant-negative manner. J Biol Chem. 2005; 280(26):24642-24648.

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