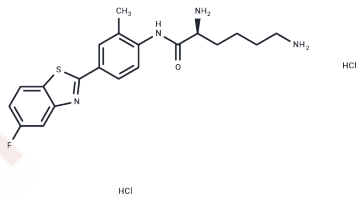
Data Sheet (Cat.No.T23151)

TargetMol

Phortress

Chemical Properties



CAS No. : 328087-38-3

Formula: C20H25Cl2FN4OS

Molecular Weight: 459.41

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	Phortress (NSC-710305) is a potent AhR ligand with strong binding affinity, which subsequently triggers the transcription of CYP1A1 and induces antitumor activity.
Targets(IC50)	AhR,Cytochromes P450

Solubility Information

Solubility	DMSO: 4.6 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1767 mL	10.8835 mL	21.767 mL
5 mM	0.4353 mL	2.1767 mL	4.3534 mL
10 mM	0.2177 mL	1.0884 mL	2.1767 mL
50 mM	0.0435 mL	0.2177 mL	0.4353 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

Bradshaw TD, et al. In vitro evaluation of amino acid prodrugs of novel antitumour 2-(4-amino-3-methylphenyl) benzothiazoles. Br J Cancer. 2002 Apr 22;86(8):1348-54.

Bradshaw TD, Westwell AD. The development of the antitumour benzothiazole prodrug, Phortress, as a clinical candidate. Curr Med Chem. 2004 Apr;11(8):1009-21.

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