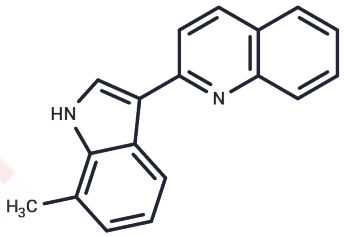
Data Sheet (Cat.No.T29111)

TargetMol

VPC-13566

Chemical Properties



CAS No. : 218464-59-6

Formula: C18H14N2

Molecular Weight: 258.32

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	VPC-13566 is a BF3-specific small molecule, which effectively inhibited the androgen receptor transcriptional activity and displaced the BAG1L peptide from the BF3 pocket. VPC-13566 inhibits the growth of various prostate cancer cell lines and reduces the growth of AR-dependent prostate cancer xenograft tumors in mice.
Targets(IC50)	Androgen Receptor

Solubility Information

Solubility	DMSO: 65 mg/mL (251.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8712 mL	19.3558 mL	38.7117 mL
5 mM	0.7742 mL	3.8712 mL	7.7423 mL
10 mM	0.3871 mL	1.9356 mL	3.8712 mL
50 mM	0.0774 mL	0.3871 mL	0.7742 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

Lallous N, et al. Targeting Binding Function-3 of the Androgen Receptor Blocks Its Co-Chaperone Interactions, Nuclear Translocation, and Activation. Mol Cancer Ther. 2016 Dec;15(12):2936-2945. Epub 2016 Oct 7.

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