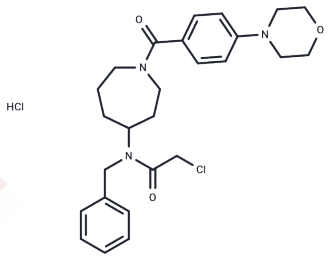
Data Sheet (Cat.No.T13586L)

TargetMol

BPK-29 hydrochloride

Chemical Properties



CAS No. : 2444815-73-8

Formula: C26H33Cl2N3O3

Molecular Weight: 506.46

Appearance: no data available

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

Biological Description

Description	BPK-29 hydrochloride is a specific ligand that disrupts atypical orphan nuclear receptor NR0B1-protein interactions by covalently modifying C274, impairing the anchorage-independent growth of [KEAP1-mutant cancer cells].
Targets(IC50)	Others
In vitro	BPK-29 substantially engages NR0B1 with good overall proteomic selectivity in KEAP1-mutant Non-Small Cell Lung Cancers[1].

Solubility Information

Solubility	DMSO: 62.5 mg/mL (123.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9745 mL	9.8724 mL	19.7449 mL
5 mM	0.3949 mL	1.9745 mL	3.949 mL
10 mM	0.1974 mL	0.9872 mL	1.9745 mL
50 mM	0.0395 mL	0.1974 mL	0.3949 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.

Reference

Bar-Peled L, et al. Chemical Proteomics Identifies Druggable Vulnerabilities in a Genetically Defined Cancer. Cell. 2017 Oct 19;171(3):696-709.e23.

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