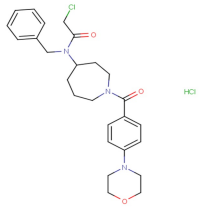
Data Sheet (Cat.No.T13586L)

TargetMol
A DRUG SCREENING EXPERT

BPK-29 hydrochloride

Chemical Properties



CAS No.:	2444815-73-8
Formula:	C26H33Cl2N3O3
Molecular Weight:	506.46
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	BPK-29 hydrochloride is a specific ligand that disrupts the atypical orphan nuclear receptor NR0B1-protein interactions by covalently modifying C274. It impairs the anchorage-independent growth of KEAP1-mutant cancer cells.
Targets(IC_{50})	Others: None
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) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.974 mL	9.872 mL	19.745 mL
5 mM	0.395 mL	1.974 mL	3.949 mL
10 mM	0.197 mL	0.987 mL	1.974 mL
50 mM	0.039 mL	0.197 mL	0.395 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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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