

## Product Data Sheet

Product Name: BPK-29 hydrochloride

Cat. No.: GC38643

### Chemical Properties

Cas. No. 2444815-73-8

SMILES O=C(N(C1CCN(C(C2=CC=C(N3CCOCC3)C=C2)=O)CCC1)CC4=CC=CC=C4)CCl.[H]Cl

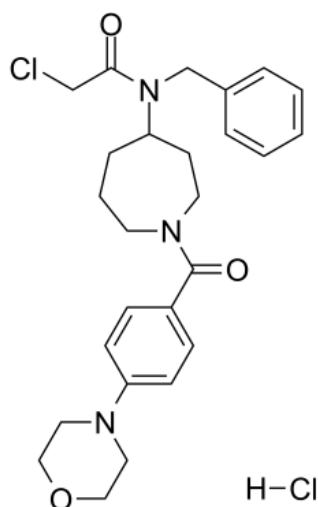
Formula  $C_{26}H_{33}Cl_2N_3O_3$  M.Wt 506.46

Solubility DMSO: 62.5 mg/mL (123.41 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

BPK-29 hydrochloride is a specific ligand that disrupts the atypical orphan nuclear receptor NR0B1-protein (such as RBM45 and SNW1) interactions by covalently modifying C274. BPK-29 hydrochloride impairs the anchorage-independent growth of KEAP1-mutant cancer cells[1].

BPK-29 hydrochloride substantially engages NR0B1 with good overall proteomic selectivity in KEAP1-mutant Non-Small Cell Lung Cancers[1].

**Caution: Product has not been fully validated for medical applications. For research use only.**

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[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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