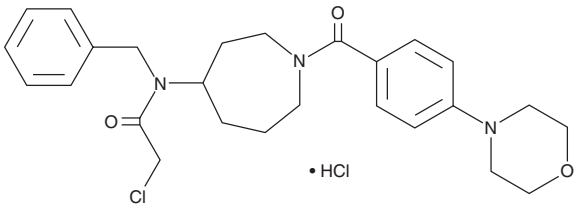
PRODUCT INFORMATION

BPK-29 (hydrochloride)

Item No. 45897

CAS Registry No.:	2444815-73-8
Formal Name:	2-chloro-N-[hexahydro-1-[4-(4-morpholinyl) benzoyl]-1H-azepin-4-yl]-N-(phenylmethyl)-acetamide, monohydrochloride
MF:	$C_{26}H_{32}ClN_3O_3 \bullet HCl$
FW:	506.5
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

BPK-29 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the BPK-29 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. BPK-29 (hydrochloride) is slightly soluble (0.1-1 mg/ml) in 1:1 solution of acetonitrile:water.

Description

BPK-29 is a ligand of the orphan nuclear receptor DAX1, also known as NR0B1.[1] It covalently binds to DAX1 at Cys274 and inhibits the protein-protein interaction between DAX1 and SNW1 (IC_{50} = ~10-20 µM) and between DAX1 and RBM45 at 30 µM. BPK-29 (5 µM) inhibits the anchorage-independent growth of *KEAP1*-mutant H460 non-small cell lung cancer (NSCLC) cells.

Reference

1. Bar-Peled, L., Kemper, E.K., Suciu, R.M., *et al.* Chemical proteomics identifies druggable vulnerabilities in a genetically defined cancer. *Cell* **171(3),** 696-709 (2017).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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