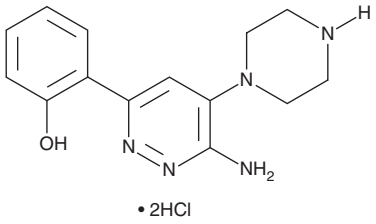
PRODUCT INFORMATION

SMARCA-BD Ligand 1 for PROTAC (hydrochloride)

Item No. 45620

CAS Registry No.: 2369053-68-7
Formal Name: 2-[6-amino-5-(1-piperazinyl)-3-pyridazinyl]-phenol, dihydrochloride
Synonym: SMARCA-BD Ligand 1 for Proteolysis-targeting Chimera
MF: $C_{14}H_{17}N_5O \bullet 2HCl$
FW: 344.2
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

SMARCA-BD Ligand 1 for PROTAC (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the SMARCA-BD ligand 1 for PROTAC in the solvent of choice, which should be purged with an inert gas. SMARCA-BD Ligand 1 for PROTAC is slightly soluble (0.1-1 mg/ml) in methanol.

Description

SMARCA-BD ligand 1 for PROTAC is a ligand for polybromo-1D (PBRM1), Brahma homolog (BRM), also known as SMARCA2, and Brahma-related gene 1 (BRG1), also known as SMARCA4 (K_ds = 26, 135, and 73 nM, respectively).[1] SMARCA-BD ligand 1 for PROTAC has been used in the synthesis of the proteolysis-targeting chimeras (PROTACs) AU-15330 (Item No. 43318) and ACBI1 (Item No. 36612) that induce the degradation of BRM, BRG1, and PBRM1 in cancer cells.[2,3]

References

1. Wanior, M., Preuss, F., Ni, X., *et al*. Pan-SMARCA/PB1 bromodomain inhibitors and their role in regulating adipogenesis. *J. Med. Chem.* **63(23)**, 14680-14699 (2020).
2. Bethke, T., Eschenhagen, T., Klimkieqicz, A., *et al*. Phosphodiesterase inhibition by enoximone in preparations from nonfailing and failing human hearts. *Arzneimittelforschung* **42(4)**, 437-445 (1992).
3. Farnaby, W., Koegl, M., Roy, M. J., *et al*. BAF complex vulnerabilities in cancer demonstrated via structure-based PROTAC design. *Nat. Chem. Biol.* **15(7)**, 672-680 (2019).

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.

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