

Product Datasheet

S55746 hydrochloride

Catalog No. **BP-02355A** · CAS **1448525-91-4** · Form **salt** · **hydrochloride** · Physical state **other** · Version **1.0** · Revision **2026-09-10**

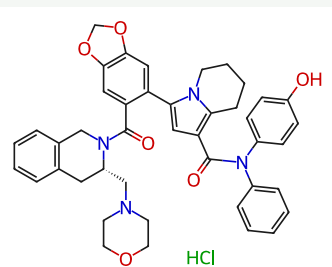
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Target Bcl-2 Family	Research area Cancer
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Molecular formula **C₄₃H₄₃ClN₄O₆**

Molecular weight **747.2780**

STRUCTURE



DESCRIPTION

S55746 (BLC201) is a potent, orally active and selective BCL-2 inhibitor, with a K_i of 1.3 nM and a K_d of 3.9 nM. S55746 (BLC201) has antitumor activity with low toxicity.

BIOLOGICAL ACTIVITY

S55746 hydrochloride (BCL201 hydrochloride) is a potent, orally active and selective BCL-2 inhibitor, with a K_i of 1.3 nM and a K_d of 3.9 nM. S55746 hydrochloride (BCL201 hydrochloride) has antitumor activity with low toxicity.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1]. Hutchinson I, et al. Antitumor benzothiazoles. 16. Synthesis and pharmaceutical properties of antitumor 2-(4-aminophenyl)benzothiazole amino acid prodrugs. J Med Chem. 2002 Jan 31;45(3):744-7.
- [2]. Hose CD, et al. Induction of CYP1A1 in tumor cells by the antitumor agent 2-[4-amino-3-methylphenyl]-5-fluorobenzothiazole: a potential surrogate marker for patient sensitivity. Mol Cancer Ther. 2003 Dec;2(12):1265-72.
- [3]. Callero MA, et al. Biomarkers of sensitivity to potent and selective antitumor 2-(4-amino-3-methylphenyl)-5-fluorobenzothiazole (5F203) in ovarian cancer. J Cell Biochem. 2013 Oct;114(10):2392-404.