

## Product Information

### ATPase inhibitor BTB06584, Purity ≥98%

**Cat. No.:** X24-07-ZQ431

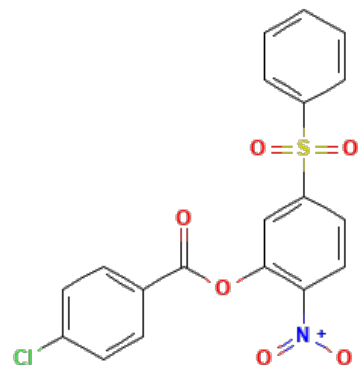
**Size:** 10 mg; 25 mg; 50 mg; 100 mg

**CAS Number:** 219793-45-0

**Compound CID:** 2799764

**Synonym:** 219793-45-0; ATPase inhibitor; BTB 06584

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	BTB06584, soluble in DMSO and insoluble in ethanol and water, specifically hinders the activity of ATPase enzymes, thereby disrupting the process of ATP hydrolysis, which is critical for energy conversion and cellular functions. It targets F1 Fo-ATPase.
<b>Molecular Weight</b>	417.82
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>12</sub> ClNO <sub>6</sub> S
<b>Targets</b>	F1 Fo-ATPase
<b>IUPAC Name</b>	[5-(Benzenesulfonyl)-2-nitrophenyl] 4-chlorobenzoate
<b>InChI</b>	InChI=1S/C19H12ClNO6S/c20-14-8-6-13(7-9-14)19(22)27-18-12-16(10-11-17(18)21(23)24)28(25,26)15-4-2-1-3-5-15/h1-12H
<b>InChI Key</b>	WNDWKKPBLAKXMI-UHFFFAOYSA-N
<b>Canonical SMILES</b>	C1=CC=C(C=C1)S(=O)(=O)C2=CC(=C(C=C2)[N+](=O)[O-])OC(=O)C3=CC=C(C=C3)Cl
<b>Form</b>	Lyophilized powder
<b>Purity</b>	≥98%
<b>Solubility</b>	DMSO: 76 mg/mL (181.89 mM); Water: Insoluble; Ethanol: Insoluble
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	BTB06584 is an ATPase inhibitor utilized in research relating to cellular energy metabolism and transport mechanisms.



**Storage**

Store at -20°C, and keep desiccated.

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