



## Product Information

### BMI-1 inhibitor PTC596, Purity $\geq 98\%$

**Cat. No.:** X24-05-ZQ962

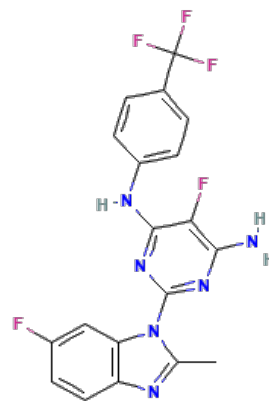
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 1610964-64-1

**Compound CID:** 74223469

**Synonym:** 1610964-64-1; PTC 596; PTC-596; BMI-1 inhibitor

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



#### Product Information

<b>Description</b>	PTC596, soluble in DMSO and ethanol and insoluble in water, is compounds that target and inhibit the BMI-1 protein, which plays a critical role in cell proliferation and self-renewal, making them potential candidates for cancer therapy.
<b>Molecular Weight</b>	420.34
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>13</sub> F <sub>5</sub> N <sub>6</sub>
<b>IUPAC Name</b>	5-Fluoro-2-(6-fluoro-2-methylbenzimidazol-1-yl)-4- <i>N</i> -[4-(trifluoromethyl)phenyl]pyrimidine-4,6-diamine
<b>InChI</b>	InChI=1S/C19H13F5N6/c1-9-26-13-7-4-11(20)8-14(13)30(9)18-28-16(25)15(21)17(29-18)27-12-5-2-10(3-6-12)19(22,23)24/h2-8H,1H3,(H3,25,27,28,29)
<b>InChI Key</b>	TWLWOOPCEXYVBE-UHFFFAOYSA-N
<b>Canonical SMILES</b>	<chem>CC1=NC2=C(N1C3=NC(=C(C(=N3)NC4=CC=C(C=C4)C(F)(F)F)N)C=C(C=C2)F</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Solubility</b>	DMSO: 78 mg/mL (185.56 mM); Water: Insoluble; Ethanol: 7 mg/mL (16.65 mM)
<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>Applications</b>	PTC596 serves as an inhibitor of BMI-1, useful for research into cancer progression and stem cell biology.
<b>Storage</b>	Store at -20°C.



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