



Product Information

BMI-1 inhibitor PRT 4165, Purity ≥98%

Cat. No.: X24-05-ZQ960

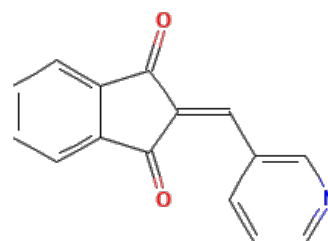
Size: 10 mg; 25 mg; 50 mg

CAS Number: 31083-55-3

Compound CID: 207893

Synonym: 31083-55-3; PRT4165; PRT-4165; BMI-1 inhibitor

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



Product Information

Description	PRT 4165, 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.
Molecular Weight	235.24
Molecular Formula	C ₁₅ H ₉ NO ₂
IUPAC Name	2-(Pyridin-3-ylmethylidene)indene-1,3-dione
InChI	InChI=1S/C15H9NO2/c17-14-11-5-1-2-6-12(11)15(18)13(14)8-10-4-3-7-16-9-10/h1-9H
InChI Key	OMHZFEWYVFWVLI-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C2C(=C1)C(=O)C(=CC3=CN=CC=C3)C2=O
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 10 mg/mL (42.51 mM); Water: Insoluble; Ethanol: 3 mg/mL (12.75 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PRT 4165 can be used to inhibit PRC2 activity, providing insights into epigenetic regulation and cancer.
Storage	Store at -20°C.