



Product Information

Histone demethylases inhibitor PBIT, Purity $\geq 98\%$

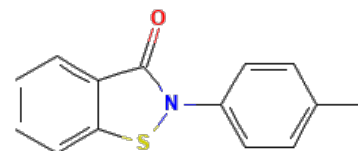
Cat. No.: X24-05-ZQ393

Size: 10 mg; 25 mg; 50 mg

CAS Number: 2514-30-9

Compound CID: 935415

Synonym: 2514-30-9; PBIT; 2-(4-Methylphenyl)-1,2-benzisothiazol-3(2H)-one;
2-(*p*-Tolyl)benzo[d]isothiazol-3(2H)-one; 2-(4-Methylphenyl)-1,2-benzothiazol-3-one;
Histone demethylases inhibitor



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

Product Information

Description	PBIT prevents the removal of methyl groups from histones, influencing gene expression by maintaining histone methylation.
Molecular Weight	241.3
Molecular Formula	C ₁₄ H ₁₁ NOS
IUPAC Name	2-(4-Methylphenyl)-1,2-benzothiazol-3-one
InChI	InChI=1S/C14H11NOS/c1-10-6-8-11(9-7-10)15-14(16)12-4-2-3-5-13(12)17-15/h2-9H,1H3
InChI Key	KRXMYBAZKJBJAB-UHFFFAOYSA-N
Canonical SMILES	CC1=CC=C(C=C1)N2C(=O)C3=CC=CC=C3S2
Form	Lyophilized powder
Purity	$\geq 98\%$
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	PBIT is an inhibitor of LSD1 used to study its role in hormone-dependent gene expression and cancer.
Storage	Store at -20°C.