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Product Information

Histone demethylases inhibitor PBIT, Purity ≥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(2*H*)-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 | ≥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. |