

Product Information

Casein kinase inhibitor TBB, Purity $\geq 98\%$

Cat. No.: X24-07-ZQ217

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

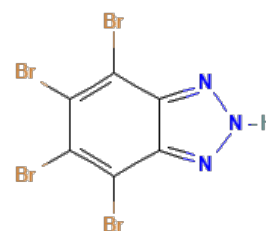
MDL: MFCD06411399

CAS Number: 17374-26-4

Compound CID: 1694

Synonym: 17374-26-4; Casein kinase inhibitor; NSC 231634

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



Product Information

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| Description | TBB, soluble in DMSO, is a potent compound that inhibits Casein kinase activity. It targets CDK2, CK2, DYRK1a, DYRK2, DYRK3, HIPK2, HIPK3, PIM1, PIM2, PIM3, and PKD1. |
| Molecular Weight | 434.71 |
| Molecular Formula | C ₆ HBr ₄ N ₃ |
| Targets | CDK2: 14 μ M; CK2: 0.15 μ M (human CK2); DYRK1a: 4.36 μ M; DYRK2: 0.99 μ M; DYRK3: 5.3 μ M; HIPK2: 5.3 μ M; HIPK3: 4.9 μ M; PIM1: 1.04 μ M; PIM2: 4.3 μ M; PIM3: 0.86 μ M; PKD1: 5.9 μ M |
| IUPAC Name | 4,5,6,7-Tetrabromo-2H-benzotriazole |
| InChI | InChI=1S/C6HBr4N3/c7-1-2(8)4(10)6-5(3(1)9)11-13-12-6/h(H,11,12,13) |
| InChI Key | OMZYUVOATZSGJY-UHFFFAOYSA-N |
| Canonical SMILES | C1(=C(C2=NNN=C2C(=C1Br)Br)Br)Br |
| Form | Lyophilized powder |
| Purity | $\geq 98\%$ |
| Solubility | DMSO: 78 mg/mL (179.43 mM) |
| Identity | Confirmed by NMR/HPLC/MS. |
| Stability | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| Quality Level | Research grade |
| Applications | TBB is a Casein kinase inhibitor used in research to explore its potential in regulating cellular processes such as inflammation and cancer. |
| Storage | Store at -20°C, and keep desiccated. |



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