

Product Information

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

Cat. No.: X24-07-ZQ215

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

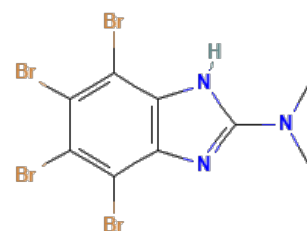
CAS Number: 749234-11-5

Compound CID: 5326976

Synonym: 749234-11-5; Casein kinase inhibitor; Casein kinase II Inhibitor; CK2

Inhibitor

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



Product Information

Description	DMAT 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	476.79
Molecular Formula	C ₉ H ₇ Br ₄ N ₃
Targets	CDK2: 0.64 μ M; CK2: 0.13 μ M (human CK2); DYRK1a: 0.41 μ M; DYRK2: 0.35 μ M; DYRK3: 1.7 μ M; HIPK2: 0.37 μ M; HIPK3: 0.59 μ M; PIM1: 0.148 μ M; PIM2: 1.6 μ M; PIM3: 0.097 μ M; PKD1: 0.18 μ M
IUPAC Name	4,5,6,7-Tetrabromo-N,N-dimethyl-1H-benzimidazol-2-amine
InChI	InChI=1S/C9H7Br4N3/c1-16(2)9-14-7-5(12)3(10)4(11)6(13)8(7)15-9/h1-2H3,(H,14,15)
InChI Key	SLPJGDQJLTYWCI-UHFFFAOYSA-N
Canonical SMILES	CN(C)C1=NC2=C(N1)C(=C(C=C2Br)Br)Br)Br
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.
Quality Level	Research grade
Applications	DMAT is a Casein kinase inhibitor used to study its role in modulating cell signaling pathways related to cancer.
Storage	Store at -20°C, and keep desiccated.