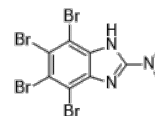


**Product Name** : DMAT  
**Cat. No.** : PC-27633  
**CAS No.** : 749234-11-5  
**Molecular Formula** : C<sub>9</sub>H<sub>7</sub>Br<sub>4</sub>N<sub>3</sub>  
**Molecular Weight** : 476.79  
**Target** : Casein Kinase  
**Solubility** : 10 mM in DMSO



### Biological Activity

DMAT is a potent, selective and cell permeable inhibitor of **Casein Kinase 2 (CK2)** with K<sub>i</sub> of 40 nM, does not inhibit CK1 up to 200 μM.

DMAT inhibits caspase-mediated killing of human breast cancer cells with acquired resistance to antiestrogens.

DMAT reduces HCC growth by interference with NFκB- and Wnt-signaling.

DMAT induces reactive oxygen species and DNA double strand breaks.

### References

Pagano MA, et al. *Biochem Biophys Res Commun*. 2004 Sep 3;321(4):1040-4.

Yde CW, et al. *Cancer Lett*. 2007 Oct 28;256(2):229-37.

Schneider CC, et al. *Oncol Rep*. 2009 Jun;21(6):1593-7.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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