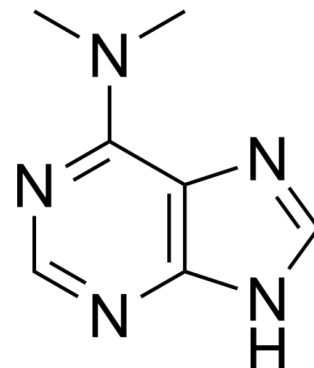


## Data Sheet

|                           |   |
|---------------------------|---|
| <b>Product Name:</b>      | 6-(Dimethylamino)purine                         |
| <b>Cat. No.:</b>          | CS-W010844                                      |
| <b>CAS No.:</b>           | 938-55-6  |
| <b>Molecular Formula:</b> | C <sub>7</sub> H <sub>9</sub> N <sub>5</sub>    |
| <b>Molecular Weight:</b>  | 163.18  |
| <b>Target:</b>            | CDK   |
| <b>Pathway:</b>           | Cell Cycle/DNA Damage                           |
| <b>Solubility:</b>        | DMSO : 41.67 mg/mL (255.36 mM; Need ultrasonic) |



### BIOLOGICAL ACTIVITY:

6-(Dimethylamino)purine is a dual inhibitor of **protein kinase** and **CDK**<sup>[1][2]</sup>.

### References:

[1]. Neant I, et al. 6-Dimethylaminopurine blocks starfish oocyte maturation by inhibiting a relevant protein kinase activity. *Exp Cell Res.* 1988 May;176(1):68-79.

[2]. Meijer L, et al. Properties and potential-applications of chemical inhibitors of cyclin-dependent kinases. *Pharmacol Ther.* 1999 May-Jun;82(2-3):279-84.

### CAIndexNames:

9H-Purin-6-amine, N,N-dimethyl-

### SMILES:

CN(C)C1=C2NC=NC2=NC=N1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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