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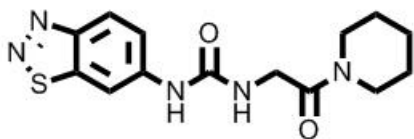
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## Allosteric PRMT3 Inhibitor – UNC2327

**Chemical Name:** 1-(benzo[d][1,2,3]thiadiazol-6-yl)-3-(2-oxo-2-(piperidin-1-yl)ethyl)urea



Molecular Weight:	319.38
Formula:	C <sub>14</sub> H <sub>17</sub> N <sub>5</sub> O <sub>2</sub> S
Purity:	≥98%
CAS#:	1426152-53-5
Solubility:	DMSO up to 100 mM
Storage	Powder: 4 °C 1 year DMSO: 4 °C 3 months -20 °C 1 year

### Biological Activity:

UNC2327 is a potent and selective allosteric protein arginine methyltransferase 3 (PRMT3) inhibitor with IC<sub>50</sub> ~ 230 nM. It occupies a novel allosteric binding site and is noncompetitive with both the peptide substrate and cofactor.

### How to Use:

**In vitro:** UNC2327 was used at 5-10 μM final concentration in various in vitro assays.

**In vivo:** n/a

### Reference:

1. Liu F, et al. Exploiting an allosteric binding site of PRMT3 yields potent and selective inhibitors. (2013) J Med Chem. 56(5):2110-24.

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