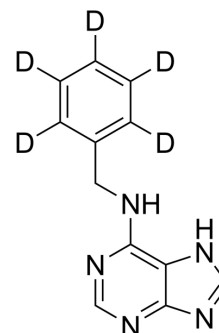


## 6-Benzylaminopurine-d<sub>5</sub>

<b>Cat. No.:</b>	HY-B0941S		
<b>CAS No.:</b>	2322358-20-1		
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>6</sub> D <sub>5</sub> N <sub>5</sub>		
<b>Molecular Weight:</b>	230.28		
<b>Target:</b>	Endogenous Metabolite; Isotope-Labeled Compounds		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (217.13 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	4.3425 mL	21.7127 mL	43.4254 mL
5 mM	0.8685 mL	4.3425 mL	8.6851 mL
10 mM	0.4343 mL	2.1713 mL	4.3425 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

6-Benzylaminopurine-d<sub>5</sub> is the deuterium labeled 6-Benzylaminopurine. 6-Benzylaminopurine is a cytokinin[1].

### REFERENCES

[1]. Chunfeng Zheng, et al. Wheat Grain Yield Increase in Response to Pre-Anthesis Foliar Application of 6-Benzylaminopurine Is Dependent on Floret Development. PLoS One. 2016 Jun 3;11(6):e0156627.

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

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