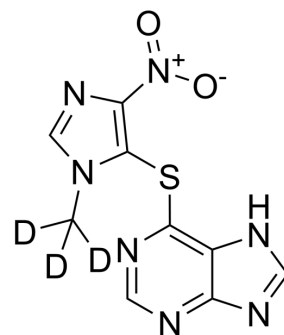


## Azathioprine-d3

Cat. No.:	HY-B0256S
CAS No.:	2702733-53-5
Molecular Formula:	C <sub>9</sub> H <sub>4</sub> D <sub>3</sub> N <sub>7</sub> O <sub>2</sub> S
Molecular Weight:	280.28
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Azathioprine-d3 (BW 57-322-d3) is the deuterium labeled [Azathioprine](#) (HY-B0256). Azathioprine (BW 57-322) is an orally active immunosuppressive agent. Azathioprine can be converted in vivo to the active metabolite 6-mercaptopurine (6-MP). Azathioprine has myelosuppressive effects and induces apoptosis<sup>[1]</sup>.

### REFERENCES

[1]. Venkat RV, et, al. Highly sensitive liquid chromatography–tandem mass spectrometry assay for the determination of azathioprine in presence of mercaptopurine and its application to a human pharmacokinetic study. 2021;4(10):360-9.

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

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