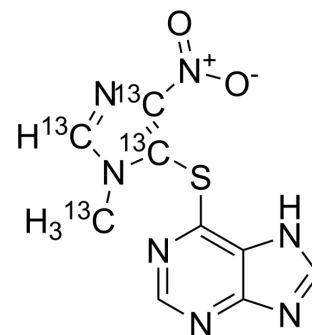


Azathioprine-13C4

Cat. No.:	HY-B0256S1
CAS No.:	1346600-71-2
Molecular Formula:	C ₅ ¹³ C ₄ H ₇ N ₇ O ₂ S
Molecular Weight:	281.23
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Azathioprine-13C4 (BW 57-322-13C4) is the 13C 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^{[1][2][3]}.

REFERENCES

- [1]. Patel, A.A., R.A. Swerlick, and C.O. McCall, Azathioprine in dermatology: the past, the present, and the future. *J Am Acad Dermatol*, 2006. 55(3): p. 369-89.
- [2]. Maltzman, J.S. and G.A. Koretzky, Azathioprine: old drug, new actions. *J Clin Invest*, 2003. 111(8): p. 1122-4.
- [3]. Dubinsky, M.C., Azathioprine, 6-mercaptopurine in inflammatory bowel disease: pharmacology, efficacy, and safety. *Clin Gastroenterol Hepatol*, 2004. 2(9): p. 731-43.

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

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