Dimethyldithiocarbamate-d6 sodium dihydrate

Cat. No.: HY-W098697S

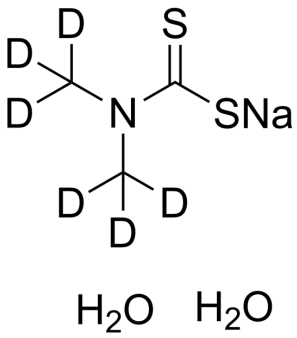
Molecular Formula: $C_3H_4D_6NNaO_2S_2$

Molecular Weight: 185.27

Target: Isotope-Labeled Compounds

Pathway: Others

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dimethyldithiocarbamate-d_6 sodium dihydrate is the deuterium-labeled Dimethyldithiocarbamate (HY-W098697)[1]. Ferric dimethyl⊠dithiocarbamate (ferbam) exhibits oral toxicity in rodents[2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Lee CC, et al. Oral toxicity of ferric dimethyl-dithiocarbamate (ferbam) and tetramethylthiuram disulfide (thiram) in rodents. J Toxicol Environ Health. 1978 Jan;4(1):93-106.

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