

## Product Data Sheet

Product Name: Methimazole D3

Cat. No.: GC39582

### Chemical Properties

Cas. No. 1160932-07-9

SMILES S=C1NC=CN1C([2H])([2H])[2H]

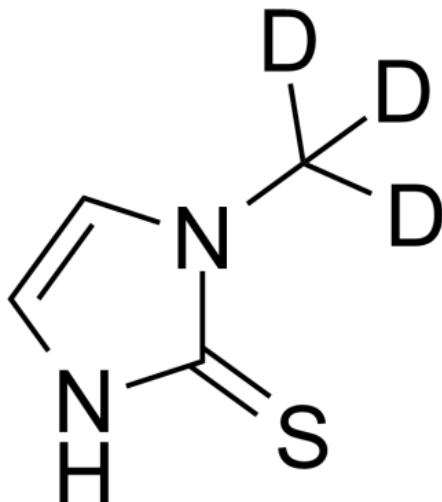
Formula  $C_4H_3D_3N_2S$  M.Wt 117.19

Solubility DMSO :  $\geq 100$  mg/mL (853.32 mM); Storage Store at  $-20^\circ\text{C}$   
H<sub>2</sub>O :  $\geq 50$  mg/mL (426.66 mM)

General tips For obtaining a higher solubility , please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



### Background

Methimazole D3 is a deuterium labeled Methimazole. Methimazole is an antithyroid drug used for the

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

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treatment of the hyperthyroidism in humans and animals[1].

[1]. Tatara MR, et al. Effects of long-term oral administration of methimazole on femur and tibia properties in male Wistar rats. Biomed Pharmacother. 2017 Oct;94:124-128.

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