

Ditiocarb sodium

Catalog No: tcsc0013580



Available Sizes

Size: 1g



Specifications

CAS No:

148-18-5

Formula:

$C_5H_{10}NNaS_2$

Pathway:

Anti-infection

Target:

HIV

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 300 mg/mL (1751.72 mM)

Alternative Names:

Sodium diethyldithiocarbamate

Observed Molecular Weight:

171.26

Product Description

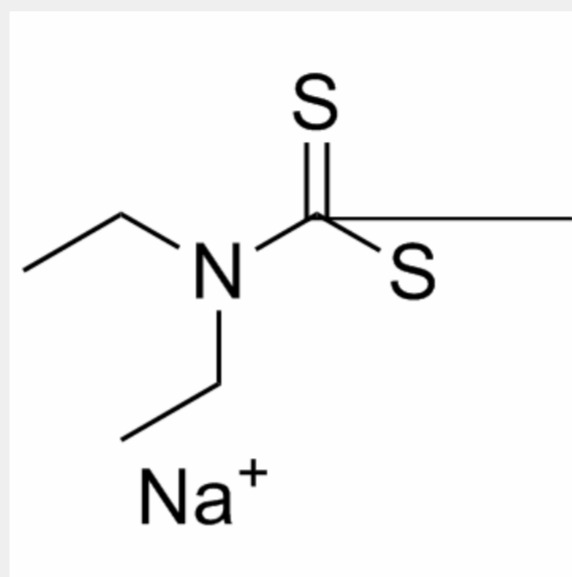
Ditiocarb sodium (Sodium diethyldithiocarbamate) is an accelerator of the rate of copper cementation. Sodium diethyldithiocarbamate reduces the incidence of **HIV** infection.

IC50 & Target: HIV^[2]

In Vitro:

Ditiocarb sodium (Sodium diethyldithiocarbamate) reacts with the Cu^{2+} solution giving a complex of copper diethyldithiocarbamate, which enhances the rate of cementation^[1]. Ditiocarb sodium is an agent with strong antioxidant capacity and chelating activities^[2].

In Vivo: Ditiocarb sodium (Sodium diethyldithiocarbamate) improves the depressed immune responses of newborn and aged mice. Sodium diethyldithiocarbamate prevents cisplatin nephrotoxicity in animals without reducing the antitumor activity. In that AIDS model, Ditiocarb sodium reduces lymphadenopathy and hypergammaglobulinemia, restores immunocompetence, and prolongs survival^[2].



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