

Product Data Sheet

Product Name: SAHO
Cat. No.: GC48065

Chemical Properties

Cas. No. 29907-86-6

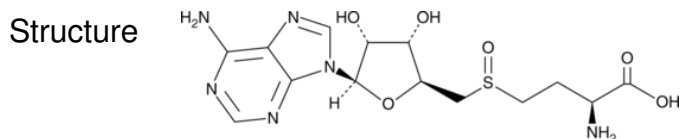
SMILES O[C@H]1[C@@H](O)[C@@](N2C=NC3=C(N)N=CN=C32)([H])O[C@@H]1CS(CC[C@H](N)C(O)=O)=O

Formula C₁₄H₂₀N₆O₆S M.Wt 400.4

Solubility DMSO: 30 mg/ml, PBS (pH 7.2): 10 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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.



Background

SAHO is a sulfoxide form of the methyl donor S-(5'-adenosyl)-L-methionine chloride and a substrate for radical SAM enzymes.¹ It is reductively cleaved to S-adenosylhomocysteine, 5'-deoxyadenosine, and 5'-thioadenosine sulfenic acid by the radical SAM enzymes NosL or NosN.

1. Mandalapu, D., Ji, X., and Zhang, Q. Reductive cleavage of sulfoxide and sulfone by two radical S-adenosyl-L-methionine enzymes. *Biochemistry* 58(1)36-39(2019)

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

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