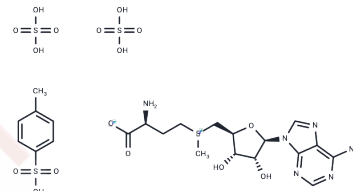


## S-Adenosyl-L-methionine disulfate tosylate

## Chemical Properties

CAS No. :	97540-22-2
Formula:	C <sub>22</sub> H <sub>34</sub> N <sub>6</sub> O <sub>16</sub> S <sub>4</sub>
Molecular Weight:	766.8
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	S-Adenosyl-L-methionine disulfate tosylate (Ademetionine disulfate tosylate) is the disulfate-tosylate mixed salt comprising diastereoisomers of ademetionine ions. Ademetionine exhibits anti-inflammatory properties and has been utilized in the treatment of chronic liver disease.
Targets(IC50)	DNA/RNA Synthesis
In vivo	Continuous oral administration of ademetionine for 7 days may induce the activities of CYP450 isoforms CYP1A2 of rats, while it may inhibit the activities of CYP2D6, CYP3A4, CYP2C19 and CYP2C9[1].

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H <sub>2</sub> O: 72 mg/mL (93.9 mM),Sonication is recommended. DMSO: 60 mg/mL (78.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3041 mL	6.5206 mL	13.0412 mL
5 mM	0.2608 mL	1.3041 mL	2.6082 mL
10 mM	0.1304 mL	0.6521 mL	1.3041 mL
50 mM	0.0261 mL	0.1304 mL	0.2608 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Tong S, et al. Int J Clin Exp Med. 2015, 8(6):9716-22.

Zhu Q, Liu Z, Cheng X, et al.ZNF480 influences the prognosis, pathogenesis, and immune microenvironment in patients with lower-grade glioma.Heliyon.2023

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