H-Met-Met-OH

Cat. No.: HY-150013

CAS No.: 7349-78-2

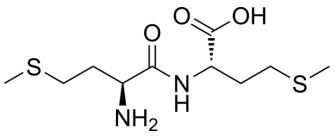
Molecular Formula: $C_{10}H_{20}N_2O_3S_2$

Molecular Weight: 280.41

Target: Others

Pathway: Others

Storage: 4°C, protect from light, stored under nitrogen
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (356.62 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.5662 mL	17.8310 mL	35.6621 mL
	5 mM	0.7132 mL	3.5662 mL	7.1324 mL
	10 mM	0.3566 mL	1.7831 mL	3.5662 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (8.92 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (8.92 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

H-Met-Met-OH (L-Methionyl-L-methionine) is a dipeptide composed of two methionine residues[1].

REFERENCES

[1]. Lis MT, et, al. Effect of dietary changes on intestinal absorption of L-methionine and L-methionyl-L-methionine in the rat. Br J Nutr. 1972 Jan;27(1):159-67.

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

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