AMOZ

Cat. No.: HY-131146

CAS No.: 43056-63-9

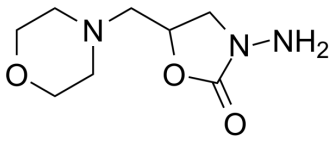
Molecular Formula: $C_8H_{15}N_3O_3$

Molecular Weight: 201.22

Target: Antibiotic

Pathway: Anti-infection

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (496.97 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.9697 mL	24.8484 mL	49.6968 mL
	5 mM	0.9939 mL	4.9697 mL	9.9394 mL
	10 mM	0.4970 mL	2.4848 mL	4.9697 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 (12.42 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (12.42 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (12.42 mM); Clear solution

BIOLOGICAL ACTIVITY

Description AMOZ, a tissue bound metabolite of Furaltadone, Furaltadone is a synthetic nitrofuran antibiotic widely used[1]

REFERENCES

[1]. UmapornPimpitak, et al. Development of a monoclonal antibody-based enzyme-linked immunosorbent assay for detection of the furaltadone metabolite, AMOZ, in fortified shrimp samples. Food Chemistry. Volume 116, Issue 3, 1 October 2009, Pages 785-791.

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

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