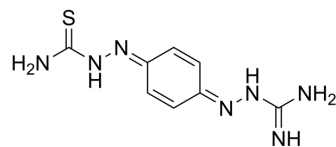


Ambazone

Cat. No.:	HY-122356A
CAS No.:	539-21-9
Molecular Formula:	C ₈ H ₁₁ N ₇ S
Molecular Weight:	237.28
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°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 (421.44 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>4.2144 mL</td> <td>21.0722 mL</td> <td>42.1443 mL</td> </tr> <tr> <td>5 mM</td> <td>0.8429 mL</td> <td>4.2144 mL</td> <td>8.4289 mL</td> </tr> <tr> <td>10 mM</td> <td>0.4214 mL</td> <td>2.1072 mL</td> <td>4.2144 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	4.2144 mL	21.0722 mL	42.1443 mL	5 mM	0.8429 mL	4.2144 mL	8.4289 mL	10 mM	0.4214 mL	2.1072 mL	4.2144 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.54 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.54 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	Ambazone is an orally active membrane active antitumor agent. Ambazone also shows antibacterial and weak antiviral activities ^[1] .
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REFERENCES

[1]. G Löber, et al. Ambazone as a membrane active antitumor drug. Biophys Chem. 1990 Apr;35(2-3):287-300.

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

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