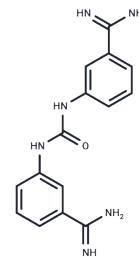


Amicarbalide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 3459-96-9 |
| Formula: | C ₁₅ H ₁₆ N ₆ O |
| Molecular Weight: | 296.33 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Amicarbalide is an agent for the treatment of anaplasmosis. |
| Targets(IC50) | Others |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.3746 mL | 16.8731 mL | 33.7462 mL |
| 5 mM | 0.6749 mL | 3.3746 mL | 6.7492 mL |
| 10 mM | 0.3375 mL | 1.6873 mL | 3.3746 mL |
| 50 mM | 0.0675 mL | 0.3375 mL | 0.6749 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Yeruham I, Pipano E, Davidson M. A field strain of *Babesia bovis* apparently resistant to amicarbalide isethionate. *Trop Anim Health Prod.* 1985 Feb;17(1):29-30. PubMed PMID: 3992668.
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- De Vos AJ, Barrowman PR, Coetzer JA, Kellerman TS. Amicarbalide: a therapeutic agent for anaplasmosis. *Onderstepoort J Vet Res.* 1978 Sep;45(3):203-8. PubMed PMID: 750960.
- Eyre P. Some pharmacodynamic effects of the babesicidal agents quinuronium and amicarbalide. *J Pharm Pharmacol.* 1967 Aug;19(8):509-19. PubMed PMID: 4382438.

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