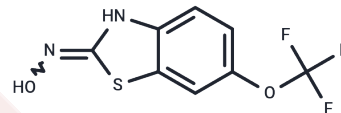


N-hydroxy Riluzole

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 179070-90-7 |
| Formula: | C ₈ H ₅ F ₃ N ₂ O ₂ S |
| Molecular Weight: | 250.20 |
| 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 | N-hydroxy Riluzole is a metabolite of the antiglutamatergic agent riluzole. It is formed from riluzole predominantly by the cytochrome P450 (CYP) isoform CYP1A2 in human hepatic microsomes. |
| Targets(IC50) | Others, Sodium Channel |

Solubility Information

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

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 3.9968 mL | 19.984 mL | 39.968 mL |
| 5 mM | 0.7994 mL | 3.9968 mL | 7.9936 mL |
| 10 mM | 0.3997 mL | 1.9984 mL | 3.9968 mL |
| 50 mM | 0.0799 mL | 0.3997 mL | 0.7994 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

Sanderink, G.J., Bournique, B., Stevens, J., et al. Involvement of human CYP1A isoenzymes in the metabolism and drug interactions of riluzole in vitro. *Pharmacol. Exp. Ther.* 282(3)1465-1472(1997)

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