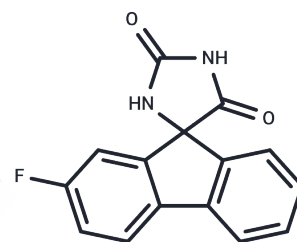


Alconil

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 97677-19-5 |
| Formula: | C ₁₅ H ₉ FN ₂ O ₂ |
| Molecular Weight: | 268.24 |
| 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 | Alconil (Al 1567) is an aldose reductase inhibitor that may be used to study chronic obstructive pulmonary disease (COPD) and diabetes. |
| Targets(IC50) | Reductase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 3.728 mL | 18.640 mL | 37.280 mL |
| 5 mM | 0.7456 mL | 3.728 mL | 7.456 mL |
| 10 mM | 0.3728 mL | 1.864 mL | 3.728 mL |
| 50 mM | 0.0746 mL | 0.3728 mL | 0.7456 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

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- Spencer K, et al. Williams K. The effect of temporal variation in biochemical markers of trisomy 21 across the first and second trimesters of pregnancy on the estimation of individual patient-specific risks and detection rates for Down's syndrome. *Ann Clin Biochem.* 2003 May;40(Pt 3):219-31.
- Lamensdorf I, et al. 3,4-Dihydroxyphenylacetaldehyde potentiates the toxic effects of metabolic stress in PC12 cells. *Brain Res.* 2000 Jun 23;868(2):191-201.
- Brazzell RK, et al. Interspecies comparison of the pharmacokinetics of aldose reductase inhibitors. *Drug Metab Dispos.* 1990 Jul-Aug;18(4):435-40.

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