

Pipoxizine

Chemical Properties

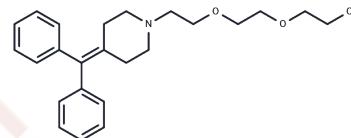
CAS No. : 55837-21-3

Formula: C₂₄H₃₁NO₃

Molecular Weight: 381.51

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|---|
| Description | Pipoxizine has an antagonistic effect on histamine-induced bronchoconstriction and may be used in the study of asthma disease. |
| Targets(IC50) | Others |
| In vivo | Pipoxizine was given by mouth to 10 patients and intravenously to the other 10 of the group. The statistical analysis of the results demonstrated an antagonist effect of Pipoxizine on the histamine induced bronchoconstriction.[1] |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 45 mg/mL (117.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6212 mL | 13.1058 mL | 26.2116 mL |
| 5 mM | 0.5242 mL | 2.6212 mL | 5.2423 mL |
| 10 mM | 0.2621 mL | 1.3106 mL | 2.6212 mL |
| 50 mM | 0.0524 mL | 0.2621 mL | 0.5242 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

Neukirch F, et al. Effect of a histamine aerosol in 20 subjects with histamine hyperreactivity. Application to a study of the protective properties of pipozizine. Rev Inst Hyg Mines (Hasselt). 1978;33(4):191-195.

Verstraeten JM. Double blind cross over study with pipozizine and fenoterol given orally on cord patients (author's transl). Acta Tuberc Pneumol Belg. 1978;69(3-4):247-255.

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