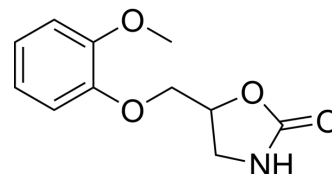


Mephenoxalone

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-126112 | | |
| CAS No.: | 70-07-5 | | |
| Molecular Formula: | C ₁₁ H ₁₃ NO ₄ | | |
| Molecular Weight: | 223.23 | | |
| Target: | Others | | |
| Pathway: | Others | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (447.97 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent | | Mass | | |
|---------------------------|---------------|--|-----------|------------|------------|
| | Concentration | | 1 mg | 5 mg | 10 mg |
| | 1 mM | | 4.4797 mL | 22.3984 mL | 44.7968 mL |
| | 5 mM | | 0.8959 mL | 4.4797 mL | 8.9594 mL |
| | 10 mM | | 0.4480 mL | 2.2398 mL | 4.4797 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 2.5 mg/mL (11.20 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (11.20 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (11.20 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Mephenoxalone inhibits neuron transmission and can relax skeletal muscles by inhibiting the reflex arc^[1].

REFERENCES

[1]. K F BENITZ, et al. Toxicity studies on mephenoxalone in rats and dogs. Toxicol Appl Pharmacol (IF: 4.22; Q2). 1962 Mar;4:220-37.

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

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