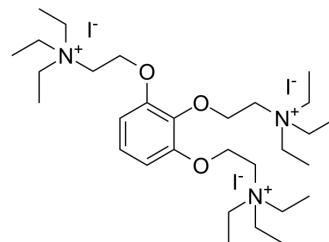


Gallamine Triethiodide

| | |
|---------------------------|--|
| Cat. No.: | HY-B0416 |
| CAS No.: | 65-29-2 |
| Molecular Formula: | C ₃₀ H ₆₀ I ₃ N ₃ O ₃ |
| Molecular Weight: | 891.53 |
| Target: | mAChR |
| Pathway: | GPCR/G Protein; Neuronal Signaling |
| Storage: | 4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light) |



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 30 mg/mL (33.65 mM)
* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|-----------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 1.1217 mL | 5.6083 mL | 11.2167 mL |
| | 5 mM | 0.2243 mL | 1.1217 mL | 2.2433 mL |
| | 10 mM | 0.1122 mL | 0.5608 mL | 1.1217 mL |

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 50 mg/mL (56.08 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Gallamine Triethiodide is a synthetic nondepolarizing blocking drug. Target: mAChR. Gallamine triethiodide is a non-depolarising muscle relaxant. It acts by combining with the cholinergic receptor sites in muscle and competitively blocking the transmitter action of acetylcholine. Gallamine triethiodide has a parasympatholytic effect on the cardiac vagus nerve which causes tachycardia and occasionally hypertension. Very high doses cause histamine release. Gallamine triethiodide is commonly used to stabilize muscle contractions during surgical procedures.

REFERENCES

[1]. http://en.wikipedia.org/wiki/Gallamine_triethiodide

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA