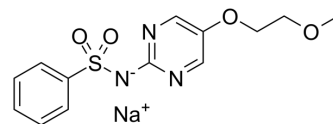


Glymidine sodium

| | |
|---------------------------|--|
| Cat. No.: | HY-A0231 |
| CAS No.: | 3459-20-9 |
| Molecular Formula: | C ₁₃ H ₁₄ N ₃ NaO ₄ S |
| Molecular Weight: | 331.32 |
| Target: | Others |
| Pathway: | Others |
| Storage: | 4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|---|----------------------|-------------|-------------|-------------|--------------|
| In Vitro | DMSO : 125 mg/mL (377.28 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent | Mass | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | | |
| | | 1 mM | | 3.0182 mL | 15.0911 mL | 30.1823 mL |
| | | 5 mM | | 0.6036 mL | 3.0182 mL | 6.0365 mL |
| 10 mM | | 0.3018 mL | 1.5091 mL | 3.0182 mL | | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.28 mM); Clear solution | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (6.28 mM); Clear solution | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (6.28 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Glymidine sodium is an oral active antidiabetic. Glymidine sodium is the inhibitor of hepatic lipolysis. Glymidine sodium inhibits the glucose formation and suppresses the elevated pyruvate oxidation which results from the inhibition of endogenous lipid mobilization ^[1] . |
|--------------------|---|

REFERENCES

[1]. Menahan LA, et al. The role of endogenous lipid in gluconeogenesis and ketogenesis of perfused rat liver. Eur J Biochem. 1969;9(2):182-188.

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