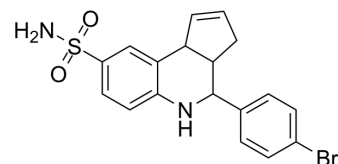


4BP-TQS

| | | | |
|--------------------|---|-------|----------|
| Cat. No.: | HY-110087 | | |
| CAS No.: | 360791-49-7 | | |
| Molecular Formula: | C ₁₈ H ₁₇ BrN ₂ O ₂ S | | |
| Molecular Weight: | 405.31 | | |
| Target: | nAChR | | |
| Pathway: | Membrane Transporter/Ion Channel; Neuronal Signaling | | |
| 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 : 250 mg/mL (616.81 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Solvent | Mass | | |
|---------------------------|---------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 2.4672 mL | 12.3362 mL | 24.6725 mL |
| | 5 mM | 0.4934 mL | 2.4672 mL | 4.9345 mL |
| | 10 mM | 0.2467 mL | 1.2336 mL | 2.4672 mL |

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

BIOLOGICAL ACTIVITY

Description

4BP-TQS is a potent allosteric agonist of $\alpha 7$ nAChR. 4BP-TQS activates nAChRs via an allosteric transmembrane site^[1].

REFERENCES

[1]. Gill JK, et al. Agonist activation of alpha7 nicotinic acetylcholine receptors via an allosteric transmembrane site. Proc Natl Acad Sci U S A. 2011;108(14):5867-5872.

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