TTA-Q6

Cat. No.: HY-10388  
CAS No.: 910484-28-5  
Molecular Formula: C₂₀H₁₅ClF₃N₃O  
Molecular Weight: 405.8  
Target: Calcium Channel  
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage:  
- Powder: -20°C, 3 years  
- In solvent: -80°C, 6 months; -20°C, 1 month

In Vitro  
DMSO: 125 mg/mL (308.03 mM; Need ultrasonic)

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>Mass (mL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.4643 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4929 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2464 mL</td>
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</tbody>
</table>

In Vivo  
1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
   Solubility: ≥ 2.08 mg/mL (5.13 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil  
   Solubility: ≥ 2.08 mg/mL (5.13 mM); Clear solution

BIOLOGICAL ACTIVITY

Description  
TTA-Q6 is a selective T-type Ca²⁺ channel antagonist, which can be used in the research of neurological disease[1].  

IC₅₀ & Target  
T-type Ca²⁺ channel[1]  

In Vitro  
TTA-Q6 is a selective T-type Ca²⁺ channel antagonist, with 14 nM and 590 nM in FLIPR depolarized assay and FLIPR hyperpolarized assay[1].

REFERENCES

www.MedChemExpress.com
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