Product Name: (-)-p-Bromotetramisole Oxalate

Revision Date: 08/29/2022

Product Data Sheet

(-)-p-Bromotetramisole Oxalate

Cat. No.: B4750
CAS No.: 62284-79-1
Formula: C13H13BrN2O4S
M.Wt: 373.22

Synonyms:
Target: Others
Pathway: Others
Storage: Desiccate at -20°C

Solvent & Solubility

≥18.65mg/mL in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1mg</th>
<th>Mass 5mg</th>
<th>Mass 10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.6794mL</td>
<td>13.3969mL</td>
<td>26.7938mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.5359mL</td>
<td>2.6794mL</td>
<td>5.3588mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2679mL</td>
<td>1.3397mL</td>
<td>2.6794mL</td>
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</tbody>
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Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Short summary: ALP inhibitor, potent and non-specific

IC50 & Target

Cell Viability Assay

Cell Line: neurosecretory PC12 cells

Preparation method: The solubility of this compound in DMSO is >18.7mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Reacting conditions: 0.3 mM

Applications: In neurosecretory PC12 cells, (-)-p-Bromotetramisole Oxalate significantly
enhanced 5 μM ionomycin-stimulated [3H] NA release from PC12 cells. (-)-p-Bromotetramisole Oxalate alone only slightly stimulated [3H] NA release.

<table>
<thead>
<tr>
<th>Animal experiment</th>
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<tbody>
<tr>
<td>Animal models:</td>
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<tr>
<td>Dosage form:</td>
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</tbody>
</table>
| Applications:     | In thyroparathyroidectomized Sprague-Dawley rats, (-)-p-bromotetramisole Oxalate significantly increased fractional excretion of phosphate (FEPi) from 4.7%±0.9% to 13.4%±3.1%.
| Other notes:      | Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal. |

**Product Citations**


**References**


**Caution**

**FOR RESEARCH PURPOSES ONLY.\**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.