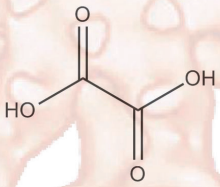
Product Data Sheet

(-)-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

In Vitro

≥18.65mg/mL in DMSO

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1mg	5mg	10mg
1 mM	2.6794 mL	13.3969 mL	26.7938 mL
5 mM	0.5359 mL	2.6794 mL	5.3588 mL
10 mM	0.2679 mL	1.3397 mL	2.6794 mL

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

Biological Activity

Shortsummary	ALP inhibitor, potent and non-specific
IC_{50} & Target	

In Vitro

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.
In Vivo	**Animal experiment**	
	Animal models:	thyroparathyroidectomized Sprague-Dawley rats
	Dosage form:	systemic infusion at 0.8 ml/min of 10 mM (-)-p-Bromotetramisole Oxalate
	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

See more customer validations on www.apexbt.com.

References

[1]. Kitamura T, Murayama T, Nomura Y. Enhancement of Ca2+-induced noradrenaline release by vanadate in PC12 cells: possible involvement of tyrosine phosphorylation. Brain Res, 2000, 854(1-2): 165-171.

[2]. Onsgard-Meyer M, McCoy AL, Knox FG. Effect of bromotetramisole on renal phosphate excretion. Proc Soc Exp Biol Med, 1996, 213(2): 193-195.

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 APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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.

APExBIO Technology
www.apexbt.com
7505 Fannin street, Suite 410, Houston, TX 77054.
Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com