

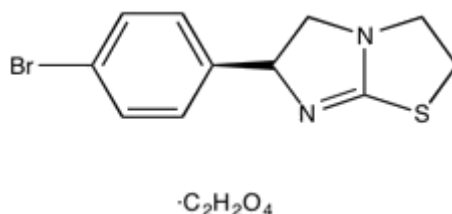
**Catalog # 10-1527**

**Bromotetramisole oxalate (-)**

CAS# 62284-79-1

(-)-(S)-6-(4-Bromophenyl)-2,3,5,6-tetrahydroimidazo[2,1-b]thiazole oxalate  
L-p-Bromotetramisole oxalate; (-)-p-Bromolevamisole

Lot # X101546



Potent alkaline phosphatase inhibitor.<sup>1</sup> Strongly activates cystic fibrosis transmembrane conductance regulator (CFTR) chloride channels by inhibiting a membrane associated protein phosphatase.<sup>2</sup> Inhibits terminal cell division-associated differentiation in murine erythroleukemia cells.<sup>3</sup>

- 1) Kovach *et al.* (1992), *Levamisole potentiation of fluorouracil antiproliferative activity mimicked by orthovanadate, an inhibitor of tyrosine phosphatase*; J. Natl. Cancer Inst., **84** 515
- 2) Luo *et al.* (2000), *Role of protein phosphatases in the activation of CTFR (ABCC7) by genistein and bromotetramisole* Am. J. Physiol. Cell Physiol., **279** C108
- 3) Scher *et al.* (1998), *The phosphatase inhibitors, orthovanadate and levamisole, inhibit induction of erythroid differentiation and abrogate the associated inhibition of glycolysis*; Int. J. Oncol., **12** 987

**PHYSICAL DATA**

Molecular Weight:	373.22
Molecular Formula:	$\text{C}_{11}\text{H}_{11}\text{BrN}_2\text{S} \cdot \text{C}_2\text{H}_2\text{O}_4$
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	Water (up to 10 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at room temperature for up to 1 year from the date of purchase. Solutions in distilled water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.