Product Data Sheet

Product Name: LTD4 antagonist 1
Cat. No.: GC31944

Chemical Properties

Cas. No.	136564-67-5		
SMILES	O=C(C1=CC2=C(N(C)C=C2CC3=CC=C(C(NS(=O)(C4=CC=CC=C4C)=O)=O)C=C3OC)C=C1)NCC(C)CC(F)(F)F		
Formula	$C_{31}H_{32}F_3N_3O_5S$	M.Wt	615.66
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	LTD4 antagonist 1		

Background

LTD4 antagonist 1 is a potent, orally active antagonist of leukotriene D4 (LTD4) with a Ki of 0.57 nM.

LTD4 antagonist 1 (Compound 38b) exhibits a Ki of 0.57 nM for displacement of [3H]LTD4 on guinea pig lung membranes, a pKB of 9.93±0.14 versus LTE4 on guinea pig trachea[1].

LTD4 antagonist 1 (Compound 38b) exhibits a po ED50/iv ED50 of 1.44 and 0.036 μmol/kg in LTD4-induced bronchoconstriction in guinea pigs[1].

[1]. Robert T. Jacobs, et al. Synthesis, Structure-Activity Relationships, and Pharmacological Evaluation of a Series of Fluorinated 3-Benzyl-5-Indolecarboxamides: Identification of 4-[[5-[((2R)-2-Methyl-4,4,4-trifluorobutyl)carbamoyl]-1-methylindol-3-yl]methyl]-3methoxy-N-[(2-methylphenyl)sulfonyl]benzamide, a Potent, Orally Active Antagonist of Leukotrienes D4 and E4. Journal of Medicinal Chemistry (1994), 37(9), 1282-97.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA