LTD4 antagonist 1

Cat. No.: HY-U00359
CAS No.: 136564-67-5
Molecular Formula: C₃₁H₃₂F₃N₃O₅S
Molecular Weight: 615.66
Target: Leukotriene Receptor
Pathway: GPCR/G Protein
Storage: Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

**Description**
LTD₄ antagonist 1 is a potent, orally active antagonist of leukotriene D₄ (LTD₄) with a $K_i$ of 0.57 nM.

**$IC_{50}$ & Target**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>LTD₄</td>
<td>0.57 nM (Ki)</td>
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**In Vitro**
LTD₄ antagonist 1 (Compound 38b) exhibits a $K_i$ of 0.57 nM for displacement of [³H]LTD₄ on guinea pig lung membranes, a $pK_B$ of 9.93±0.14 versus LTE₄ on guinea pig trachea[1].

**In Vivo**
LTD₄ antagonist 1 (Compound 38b) exhibits a po $ED_{50}$/iv $ED_{50}$ of 1.44 and 0.036 μmol/kg in LTD₄-induced bronchoconstriction in guinea pigs[1].

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.
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