**5-HT4 antagonist 1**

Cat. No.: HY-100170  
CAS No.: 261766-73-8  
Molecular Formula: C₂₃H₃₆N₄O₅S  
Molecular Weight: 480.62  
Target: 5-HT Receptor  
Pathway: GPCR/G Protein; Neuronal Signaling  
Storage: Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

<table>
<thead>
<tr>
<th>Description</th>
<th>5-HT4 antagonist 1 is a 5-HT₄ receptor antagonist with a pKi of 9.6.</th>
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| IC₅₀ & Target | 5-HT₄ Receptor  
9.6 (pKi) |
| In Vitro | 5-HT4 antagonist 1 (compound 6b) is a 5-HT₄ receptor antagonist with a pKi of 9.6. |
| In Vivo | 5-HT4 antagonist 1 (compound 6b) demonstrates good exposure and prolongs t₁/₂ in other species, including the mouse (t₁/₂ 7 h), rat (t₁/₂ 12 h) and mini-pig (t₁/₂ 21 h). In Phase I clinical trial, it is found that 5-HT4 antagonist 1 has good oral bioavailability with a steady state plasma t₁/₂ of >100 h[1]. |

### REFERENCES