
Product Data Sheet

Product Name: OT-R antagonist 2 (Oxytocin receptor antagonist 2)

Cat. No.: GC33540

Chemical Properties

Cas. No. 364071-16-9

O=C([C@H]
 SMILES (C/1)N(C(C2=CC=C(C3=CC=CC=C3C)C=C2)=O)CC1=N\OC)NC[C@@H]
 (O)C4=CC=CC=C4

Formula C₂₈H₂₉N₃O₄ M.Wt 471.55

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C 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 **Background**

OT-R antagonist 2 is a nonpeptide low molecular weight OT-R antagonist. OT-R antagonist 2 inhibits IP₃-Synthesis, rat OT-R (IC₅₀ = 0.33 μM). IC₅₀ value: 0.33 μM Target: oxytocin receptor

[1]. Cirillo R, et al. Pharmacology of (2S,4Z)-N-[(2S)-2-hydroxy-2-phenylethyl]-4-(methoxyimino)-1-[(2'-methyl[1,1'-biphenyl]-4-yl)carbonyl]-2-pyrrolidinecarboxamide, a new potent and selective nonpeptide antagonist of the oxytocin receptor. J Pharmacol Exp T [2]. William Nadler, et al. Method for preparing pyrrolidine oximes. WO/2005082848/A2. [3]. Serge Halazy, et al. Pharmaceutically active pyrrolidine derivatives as bax inhibitors. WO/2001074769/A1. [4]. Serge Halazy, et al. Pharmaceutically active pyrrolidine derivatives as bax inhibitors. WO/2001072705/A1.

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

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