

LY377604

Catalog No: tcsc0007741



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

204592-94-9

Formula:

$C_{31}H_{32}N_4O_4$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

DMSO

Observed Molecular Weight:

524.61

Product Description

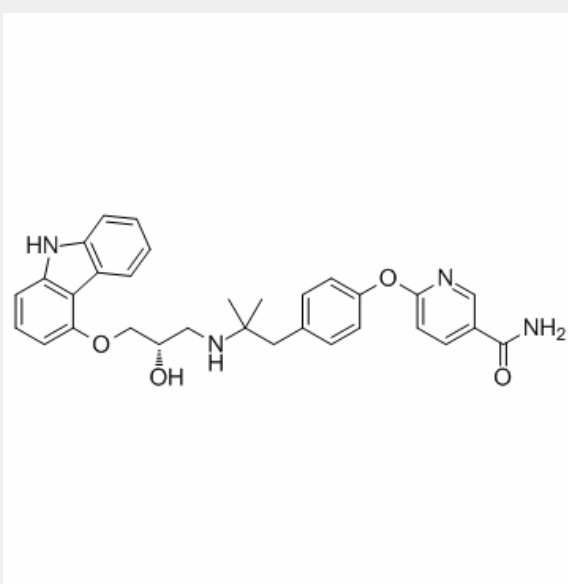
LY377604 is a **human β_3 -adrenergic receptor** agonist with an **EC₅₀** of 2.4 nM and also a **β_1 -** and **β_2 -adrenergic receptor** antagonist.

IC₅₀ & Target: EC₅₀: 2.4 nM (human β_3 -adrenergic receptor)^[1]

β_1 -adrenergic receptor, β_2 -adrenergic receptor^[1]

In Vitro: LY377604 is a human β_3 -adrenergic receptor agonist with an EC₅₀ of 2.4 nM and also a β_1 - and β_2 -adrenergic receptor antagonist. LY377604 causes a maximal increase in cyclic adenosine monophosphate (cAMP) levels, but does not stimulate cAMP accumulation in CHO cells transfected with either the human β_1 adrenergic receptor or the human β_2 adrenergic receptor^[1].

In Vivo: Administration of LY377604 to male Long-Evans rats fed a caloric dense diet results in stimulation of lipid utilization. This is observed as a decrease in respiratory quotient and persists for about 4 h before returning to that measured from vehicle-treated rats^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!