
Product Data Sheet

Product Name: AdTx1
Cat. No.: GC50298

Chemical Properties

Cas. No.

Formula C₃₁₀H₄₈₁N₈₇O₁₀₀S₈ M.Wt 7283.22

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

Selective, high affinity, non-competitive α 1A adrenoceptor antagonist ($K_i = 0.35$ nM). Exhibits no significant activity against a range of other GPCRs, including α 2A, β 1 and β 2 adrenoceptors. Antagonizes effects of phenylephrine on isolated rabbit prostate muscle in vitro and on intra-urethral pressure in rats.

Palea et al (2013) Effects of ρ -Da1a a peptidic α 1A-adrenoceptor antagonist in human isolated prostatic adenoma and anaesthetized rats. Br.J.Pharmacol. 168 618 PMID:23005263 | Quinton et al (2010) Isolation and pharmacological characterization of AdTx1, a natural peptide displaying specific insurmountable antagonism of the α 1A-adrenoceptor. Br.J.Pharmacol. 159 316 PMID:20015090

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

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