

Org41841

Catalog No: tcsc0018422



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

301847-37-0

Formula:

$C_{19}H_{22}N_4O_2S_2$

Pathway:

GPCR/G Protein

Target:

TSH Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

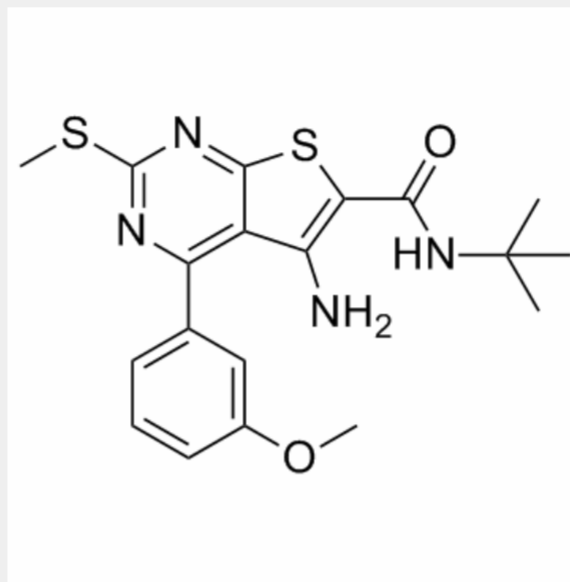
402.53

Product Description

Org41841 is a partial agonist of both luteinizing hormone/chorionic gonadotropin receptor (**LHCGR**) and thyroid-stimulating hormone receptor (**TSHR**) with **EC₅₀**s of 0.2 and 7.7 μ M, respectively.

IC50 & Target: EC50: 0.2 μ M (LHCGR), 7.7 μ M (TSHR)^[1]

In Vitro: Functional assays demonstrate that Org41841 is a partial agonist of both luteinizing hormone/chorionic gonadotropin receptor (LHCGR) and thyroid-stimulating hormone receptor (TSHR) with EC₅₀s of 0.2 and 7.7 μ M, respectively. Treatment of L570F with Org41841 reveals an improved EC₅₀ of 800 nM. M9 responds to Org41841 with an improved EC₅₀ of 2700 nM and a greatly improved efficacy for signaling to 99% of the maximal value observed for thyroid-stimulating hormone (TSH) stimulation of thyroid-stimulating hormone receptor (TSHR)^[1].



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