

ML365

Catalog No: tcsc3355



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

947914-18-3

Formula:

$C_{22}H_{20}N_2O_3$

Pathway:

Membrane Transporter/Ion Channel

Target:

Potassium Channel

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

360.41

Product Description

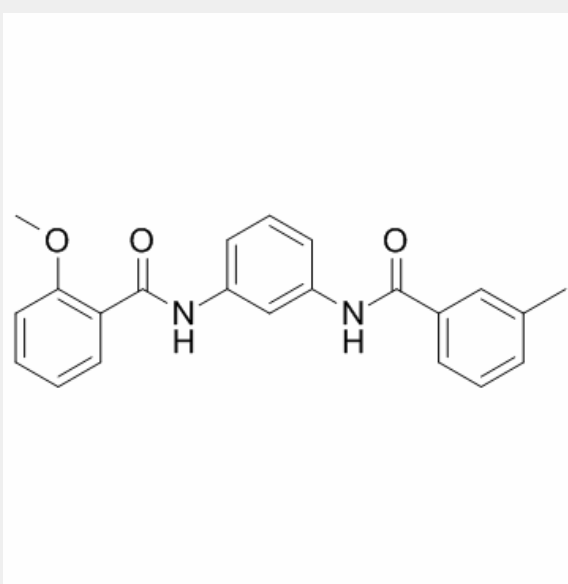
ML365 is a novel selective small molecule inhibitor of TASK1(KCNK3) with IC50 of 4 nM(thallium influx fluorescent assay) and 16

nM(automated electrophysiology assay).

IC50 value: 4 nM/16 nM(thallium influx fluorescent assay/automated electrophysiology assay) [1]

Target: KCNK3 blocker

ML365 possesses more than 60-fold selectivity for inhibition of TASK1 over a closely-related, two-pore domain potassium channel, TASK3. ML365 displays little or no inhibition at 30 μ M of more distantly related potassium channels, Kir2.1, potassium voltage-gated channel, KQT-like subfamily, member 2 (KCNQ2), and human ether-a go-go-related gene (hERG). Based on these criteria, ML365 is a best-in-class probe and is a useful pharmacological probe for in vitro studies of TASK1 function and in further studies aimed at developing therapeutic intervention.



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