
Product Data Sheet

Product Name: A 1899
Cat. No.: GC50632

Chemical Properties

Cas. No. 498577-46-1

SMILES COC1=CC=C(C=C1)CC(NCC2=C(C3=C(C(NCC4=C(C=C(C=C4)F)F)=O)C=CC=C3)C=CC=C2)=O

Formula $C_{30}H_{26}F_2N_2O_3$ M.Wt 500.55

Solubility Soluble in DMSO Storage Store at -20°C

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

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice Condition upon request.

Structure

Background

Potent K2P3.1 (TASK-1) and K2P9.1 (TASK-3) channel blocker (IC₅₀ values are 7 nM and 70 nM for human TASK-1 and TASK-3 expressed in CHO cells, respectively). Displays >12.5-fold selectivity for TASK-1 and TASK-3 over other K⁺ channels (IC₅₀ = 0.9 μM for K2P18.1/TRESK and >2 μM for all other channels tested). Binds within open channel pore.

Streit et al (2011) A specific two-pore domain potassium channel blocker defines the structure of the TASK-1 open pore. J.Biol.Chem. 286 13977 PMID:21362619

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

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