

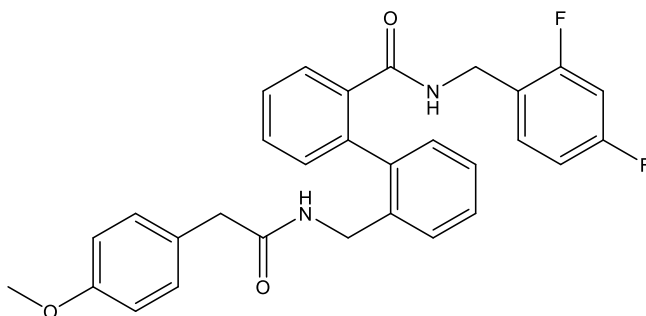
Catalog # 10-4656

A1899

CAS# 498577-46-1

N-[(2,4-Difluorophenyl)methyl]-2-[2-[[[2-(4-methoxyphenyl)acetyl]amino]methyl]phenyl]benzamide

Lot # FBS3082



A1899 is a potent and selective blocker of the two-pore domain potassium channels K_{2P}3.1 (TASK-1; IC₅₀ = 7 nM) and K_{2P}9.1 (TASK-3; IC₅₀ = 70 nM).¹ It stimulated breathing in isoflurane-anesthetized rats.²

- 1) Streit *et al.* (2011), *A Specific Two-pore Domain Potassium Channel Blocker Defines the Structure of the the TASK-1 Open Pore*; J. Biol. Chem. **286** 13977
- 2) Choski *et al.* (2015), *Breathing Stimulant Compounds Inhibit TASK-3 Potassium Channel Function Likely by Binding at a Common Site in the Channel Pore*; Mol. Pharmacol. **88** 926

PHYSICAL DATA

Molecular Weight: 500.55
Molecular Formula: C₃₀H₂₆F₂N₂O₃
Purity: >97% by HPLC
NMR: (Conforms)
Solubility: DMSO (>25 mg/ml)
Physical Description: Off-white solid
Storage and Stability: Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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