

Product Data Sheet

Product Name: GK187
Cat. No.: GC43756

Chemical Properties

Cas. No. 1071001-50-7

SMILES COC1=CC=C(CCCCC(C(F)(F)C(F)(F)F)=O)C=C1

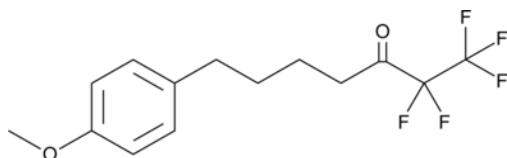
Formula C₁₄H₁₅F₅O₂ M.Wt 310.3

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 10 mg/ml, Ethanol: PBS (pH 7.2) (1:2): 0.3 mg/ml
Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic 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 Condition blue ice upon request.

Structure



Background

GK187 is an inhibitor of Group VIA (GVIA) calcium-independent phospholipase A₂ (iPLA₂), an enzyme involved in basal cell metabolism. It inhibits GVIA iPLA₂ by 99.8% at 0.091 mole fraction in a mixed micelle activity assay and is selective for GVIA iPLA₂ over GIVA cPLA₂ and GV sPLA₂ where it shows less than 25% and 32.8% inhibition, respectively.

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

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