

Product Data Sheet

Product Name: PS-210
Cat. No.: GC48003

Chemical Properties

Cas. No. 1221962-86-2

SMILES FC(F)(F)C1=CC=C(C(CC(C2=CC=CC=C2)C(C(O)=O)C(O)=O)=O)C=C1

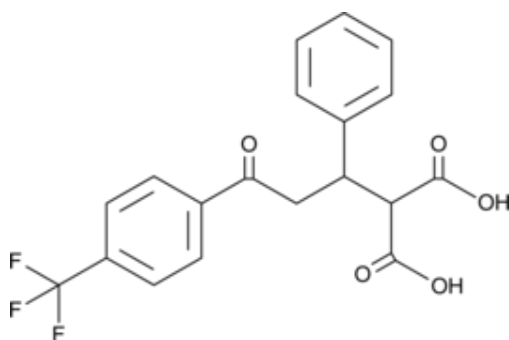
Formula C₁₉H₁₅F₃O₅ M.Wt 380.3

Solubility DMSO: soluble Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the 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

PS-210 is an activator of phosphoinositide-dependent protein kinase 1 (PDK1) that increases its thermal stability.^{1,2} It is selective for PDK-1 over a panel of 120 kinases at 10 μM. ¹ PS-210 (2 μM) increases the activity of wild-type PDK1 but not PDK1 with a mutation in the PIF-binding pocket.

1. Busschots, K., Lopez-Garcia, L.A., Lammi, C., et al. Substrate-selective inhibition of protein kinase PDK1 by small compounds that bind to the PIF-pocket allosteric docking site. *Chem. Biol.* 19(9)1152-1163 (2012)
2. Wilhem, A., Lopez-Garcia, L.A., Busschots, K., et al. 2-(3-Oxo-1,3-diphenylpropyl)malonic acids as potent allosteric ligands of the PIF pocket of phosphoinositide-dependent kinase-1: Development and prodrug concept. *J. Med. Chem.* 55(22)9817-9830 (2012)

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

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