

Product Data Sheet

Product Name: CBM 301940

Cat. No.: GC50421

Chemical Properties

Cas. No. 902146-11-6

SMILES CC(NC(C1=NOC(C(C(F)(F)F)(C(F)(F)F)O)C1)=O)CC(OC(C)(C)C)=O

Formula C₁₅H₂₀F₆N₂O₅

M.Wt 422.32

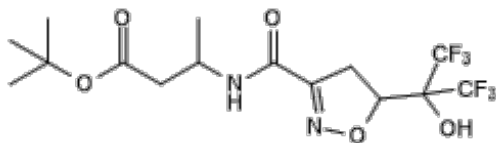
Solubility Soluble in DMSO

Storage Store at -20°C

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

Structure



Background

Potent malonyl-CoA decarboxylase (MCD) inhibitor (IC₅₀ = 23 nM). Suppresses malonyl-CoA degradation and fatty acid oxidation in isolated rat hearts, leading to secondary increase in glucose oxidation. Improves cardiac function during reperfusion of ischemic isolated rat hearts. Orally bioavailable.

Dyck et al (2004) Malonyl coenzyme a decarboxylase inhibition protects the ischemic heart by inhibiting fatty acid oxidation and stimulating glucose oxidation. Circ.Res. 94 e78 PMID:15105298
Cheng et al (2006) Discovery of potent and orally available malonyl-CoA decarboxylase inhibitors as cardioprotective agents. J.Med.Chem. 49 4055 PMID:16821767

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA