
Product Data Sheet

Product Name: DPPI 1c hydrochloride

Cat. No.: GC12603

Chemical Properties

Cas. No. 866396-34-1

Chemical Name (2S,5R)-1-(2-((1-(hydroxymethyl)cyclopentyl)amino)acetyl)pyrrolidine-2,5-dicarbonitrile hydrochloride

SMILES OCC1(NCC(N2[C@H](C#N)CC[C@@H]2C#N)=O)CCCC1.ClFormula $C_{14}H_{20}N_4O_2.HCl$ M.Wt 312.8

Solubility <31.28mg/ml in DMSO; <15.64mg/ml in Water Storage Desiccate at RT

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**

Inhibitor of dipeptidyl peptidase IV (DPP-IV) ($IC_{50} = 104$ nM) that displays selectivity over enzymes with DPP-like activity ($IC_{50} > 30$ μ M). Increases plasma GLP-1 levels and improves glucose tolerance in diabetic mice following oral glucose challenge.

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