
Product Data Sheet

Product Name: K 579
Cat. No.: GC10802

Chemical Properties

Cas. No. 440100-64-1

Chemical Name (2S)-1-[2-[(4-methyl-1-pyrimidin-2-yl)piperidin-4-yl]amino]acetyl]pyrrolidine-2-carbonitrile

SMILES CC1(CCN(CC1)C2=NC=CC=N2)NCC(=O)N3CCCC3C#N

Formula $C_{17}H_{24}N_6O$ M.Wt 328.41

Solubility <32.84mg/ml in DMSO; <16.42mg/ml in 1eq. HCl Storage Desiccate at 4°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

Dipeptidyl peptidase IV inhibitor. Inhibits rat, canine, human and monkey enzymes with IC₅₀ values of 3, 5, 8, and 8 nM respectively. Long-acting hypoglycemic agent; attenuates glucose excursion following glucose loading in Zucker fatty rats.

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

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