

Product Data Sheet

Product Name: DPP-4-IN-18

Cat. No.: GC79593

Chemical Properties

Cas. No. 486460-31-5

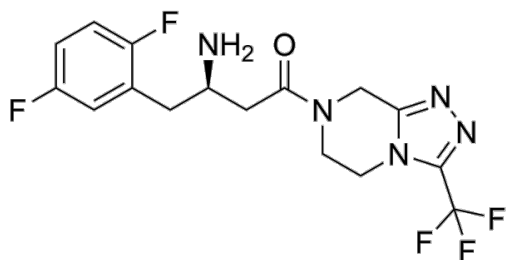
Formula $C_{16}H_{16}F_5N_5O$ M.Wt 389.32

Solubility 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

DPP-4-IN-18 (Sitagliptin impurity 3) (Compound 4) impurity 3 is a potent, selective and orally active DPP-4 inhibitor with an IC_{50} of 27 nM. DPP-4-IN-18 can effectively prevent DPP-4 from degrading glucagon-like peptide 1 (GLP-1), thereby increasing the level of active GLP-1. DPP-4-IN-18 can be used for the research of type 2 diabetes [1].

References:

[1]. Thornberry NA, et al. Discovery of JANUVIA (Sitagliptin), a selective dipeptidyl peptidase IV inhibitor for the treatment of type 2 diabetes. *Curr Top Med Chem.* 2007;7(6):557-68.

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

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