

Product Data Sheet

Product Name: N-Boc Sitagliptin

Cat. No.: GC49833

Chemical Properties

Cas. No. 486460-23-5

SMILES FC(F)(C1=NN=C2N1CCN(C(C[C@H](NC(OC(C)(C)C)=O)CC3=C(C=C(C(F)=C3)F)F)=O)C2)F

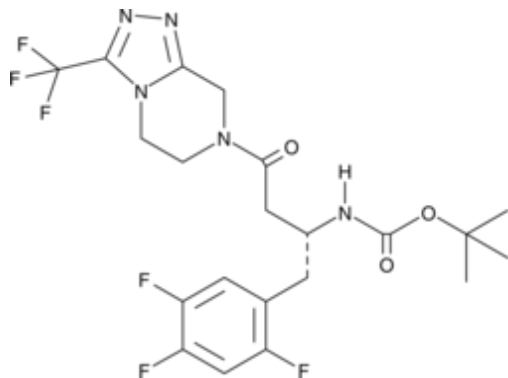
Formula C₂₁H₂₃F₆N₅O₃ M.Wt 507.4

Solubility DMF: 20 mg/mL, DMSO: 16 mg/mL, Ethanol: Slightly soluble, PBS (pH 7.2): 0.25 mg/mL Storage -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

N-Boc sitagliptin is an intermediate in the synthesis of the dipeptidyl peptidase 4 (DPP-4) inhibitor (-)-sitagliptin.¹

1. Anjibabu, R., Boggu, J.M.R., Shekhar, P., et al. Stereoselective synthesis of dipeptidyl peptidase-4

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

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(DPP-4) inhibitor, (R)-sitagliptinChemistrySelect1(17)5445-5447(2016)

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