
Product Data Sheet

Product Name: CHMFL-BTK-01

Cat. No.: GC35683

Chemical Properties

Cas. No. 2095280-64-9

SMILES O=C(NC1=CC=CC(C=C2NC3=CC=C(C(N4CCOCC4)=O)C(NC(C=C)=O)=C3)=CN(C)C2=O)=C1C)C5=CC=C(C(C)(C)C)C=C5Formula C₃₈H₄₁N₅O₅

M.Wt

647.76

Solubility Soluble in DMSO

Storage

Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a tips 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

CHMFL-BTK-01 (compound 9) is a highly selective irreversible BTK inhibitor, with an IC₅₀ of 7 nM. CHMFL-BTK-01 (compound 9) potently inhibited BTK Y223 auto-phosphorylation[1]. IC₅₀: 7 nM (BTK)[1].

[1]. Liang Q, et al. Discovery of N-(3-(5-((3-acrylamido-4-(morpholine-4-carbonyl)phenyl)amino)-1-methyl-6-oxo-1,6-dihydropyridin-3-yl)-2-methylphenyl)-4-(tert-butyl)benzamide (CHMFL-BTK-01) as a highly selective irreversible Bruton's tyrosine kinase (BTK) inhibitor. Eur J Med Chem. 2017 May 5;131:107-125.

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

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