

Product Name : JNJ-49095397

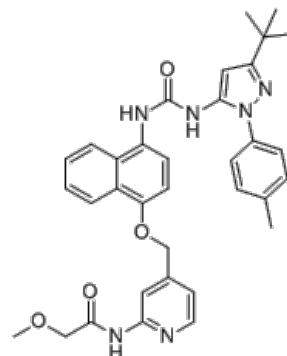
Synonyms : RV568; RV-568; JNJ49095397

Cat No. : M10833

CAS Number : 1220626-82-3

Molecular Formula : C₃₄H₃₆N₆O₄

Formula Weight : 592.70



Chemical Name : N-(4-((4-(3-(3-tert-Butyl-1-p-tolyl-1H-pyrazol-5-yl)ureido)-naphthalen-1-yloxy)methyl)pyridin-2-yl)-2-methoxyacetamide

Description : JNJ-49095397 (RV-568) is a specific narrow-spectrum kinase inhibitor that inhibits a selected set of kinases involved in COPD inflammation with IC₅₀ of 5, 40 and 52 nM for p38α, p38γ and HCK, respectively; shows potent anti-inflammatory effects in monocytes and macrophages, demonstrates synergistic interaction in poly I:C-stimulated BEAS-2B cells and in the cigarette smoke model combined with corticosteroid. COPD Phase 2 Clinical

Pathway : MAPK/ERK Signaling

Target : p38 MAPK

Receptor : p38 MAPK

Solubility : —

SMILES : CC1=CC=C(C=C1)N2C(=CC(=N2)C(C)(C)C)NC(=O)NC3=CC=C(C4=CC=CC=C43)OCC5=CC(=NC=C5)NC(=O)COC

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Onions ST, et al. J Med Chem. 2016 Mar 10;59(5):1727-46. | 2. Charron CE, et al. Eur Respir J. 2017 Oct 26;50(4). pii: 1700188.