

Product Name : AZD-7624

Synonyms : AZD7624

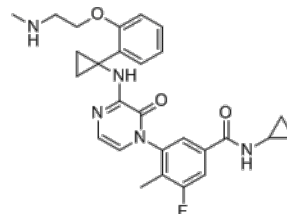
Cat No. : M10370

CAS Number : 1095004-78-6

Molecular Formula : C₂₇H₃₀FN₅O₃

Formula Weight : 491.56

Chemical Name : N-cyclopropyl-3-fluoro-4-methyl-5-(3-((1-(2-(2-(methylamino)ethoxy)phenyl)cyclopropyl)amino)-2-oxopyrazin-1(2H)-yl)benzamide



Description : AZD-7624 is a potent, selective, inhaled p38α MAPK inhibitor with pIC₅₀ of 10.0, displays 15-fold selectivity for p38α over p38β MAPK and >10,000-fold selectivity over p38γ and p38δ MAPK; inhibits LPS-induced TNF-α and IL-6 release in human alveolar macrophages pIC₅₀ of 9.2 and 8.8, respectively; shows potential for prevention of exacerbations in COPD. COPD Phase 2 Discontinued

Pathway : MAPK/ERK Signaling

Target : p38 MAPK

Receptor : p38 MAPK

Solubility : —

SMILES : O=C(NC1CC1)C2=CC(N3C(C(NC4(C5=CC=CC=C5OCCNC)CC4)=NC=C3)=O)=C(C)C(F)=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Patel NR, et al. Int J Chron Obstruct Pulmon Dis. 2018 Mar 27;13:1009-1019. | 2. Pehrson R, et al. Pharmacol Exp Ther. 2018 Mar 16. pii: jpet.117.246132.