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Data Sheet

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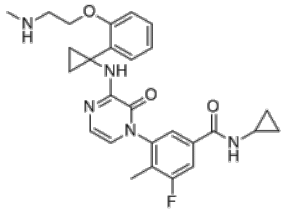
Product Name : AZD-7624
Cat. No. : PC-63284
CAS No. : 1095004-78-6
Molecular Formula : $C_{27}H_{30}FN_5O_3$
Molecular Weight : 491.56
Target : p38 MAPK
Solubility : 10 mM in DMSO



Biological Activity

AZD-7624 (AZD7624) 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.
AZD-7624 inhibits LPS-induced TNF-α and IL-6 release in human alveolar macrophages pIC50 of 9.2 and 8.8, respectively。
AZD-7624 shows potential for prevention of exacerbations in COPD.

References

Patel NR, et al. ***Int J Chron Obstruct Pulmon Dis***. 2018 Mar 27;13:1009-1019.

Pehrson R, et al. ***J Pharmacol Exp Ther.*** 2018 Mar 16. pii: jpet.117.246132.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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