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Data Sheet

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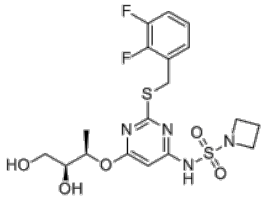
Product Name	:	AZD 5069
Cat. No.	:	PC-60618
CAS No.	:	878385-84-3
Molecular Formula	:	$C_{18}H_{22}F_2N_4O_5S_2$
Molecular Weight	:	476.51
Target	:	Chemokine Receptor (CCR and CXCR)
Solubility	:	10 mM in DMSO



Biological Activity

AZD 5069 (AZD5069) is a potent, selective, slowly reversible and orally bioavailable **CXCR2** antagonist that inhibits CXCL8 binding to CXCR2 with pIC50 of 9.1.
AZD5069 weakly inhibits CXCL8 binding to CXCR1 with pIC50<7, and no affinity for CCR2 and CCR5.
AZD5069 inhibits neutrophil chemotaxis with pA2 of 9.6, and adhesion molecule expression of 6.9, in response to CXCL1.
AZD5069 demonstrates potential activity in acute LPS-induced lung inflammation models.

References

Nicholls DJ, et al. ***J Pharmacol Exp Ther.*** 2015 May;353(2):340-50.

Jurcevic S, et al. ***Br J Clin Pharmacol.*** 2015 Dec;80(6):1324-36.

Kirsten AM, et al. ***Pulm Pharmacol Ther.*** 2015 Apr;31:36-41.

Walters I, et la. ***Bioorg Med Chem Lett.*** 2008 Jan 15;18(2):798-803.

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

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