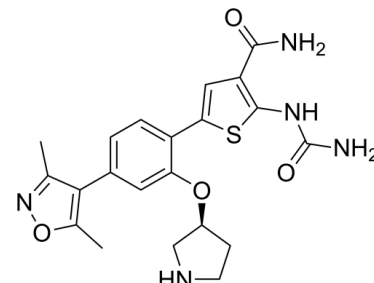


Data Sheet

Product Name:	AZD3264
Cat. No.:	CS-5232
CAS No.:	1609281-86-8
Molecular Formula:	C ₂₁ H ₂₃ N ₅ O ₄ S
Molecular Weight:	441.50
Target:	IKK
Pathway:	NF-κB
Solubility:	DMSO : ≥ 48 mg/mL (108.72 mM)



BIOLOGICAL ACTIVITY:

AZD3264 is a selective IκB-kinase **IKK2** inhibitor. IC₅₀ & Target:IKK2^[1] *In Vivo*: AZD3264 is a selective IκB-kinase IKK2 inhibitor, which is currently in preclinical development for the potential treatment of chronic pulmonary obstructive disorder (COPD) and asthma [1].

References:

[1]. Andiappan Murugan, et al. Exploiting the Differential Reactivities of Halogen Atoms: Development of a Scalable Route to IKK2 Inhibitor AZD3264. Org Process Res Dev. 2014 Apr 29;18(5): 646-651.

CAIndexNames:

3-Thiophenecarboxamide, 2-[(aminocarbonyl)amino]-5-[4-(3,5-dimethyl-4-isoxazolyl)-2-[(3S)-3-pyrrolidininyloxy]phenyl]-

SMILES:

O=C(C1=C(NC(N)=O)SC(C2=CC=C(C3=C(C)ON=C3C)C=C2O[C@@H]4CNCC4)=C1)N

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

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