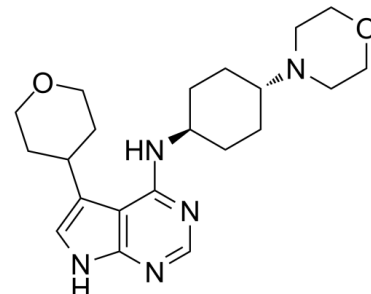


Data Sheet

Product Name:	AZ1495
Cat. No.:	CS-0034227
CAS No.:	2196204-23-4
Molecular Formula:	C ₂₁ H ₃₁ N ₅ O ₂
Molecular Weight:	385.50
Target:	IRAK
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 10 mg/mL (25.94 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

AZ1495 (compound 28) is an oral active inhibitor of Interleukin-1 receptor associated kinase 4 (**IRAK4**), with **IC₅₀** values of 5 nM and 23 nM for IRAK4 and IRAK1, respectively. Shows activity in treatment of mutant MYD88^{L265P} diffuse large B-cell lymphoma (DLBCL) [1]. IC₅₀ & Target: IC₅₀: 5 nM (IRAK4), 23 nM (IRAK1)[1].

References:

[1]. Scott JS, et al. Discovery and Optimization of Pyrrolopyrimidine Inhibitors of Interleukin-1 Receptor Associated Kinase 4 (IRAK4) for the Treatment of Mutant MYD88L265P Diffuse Large B-Cell Lymphoma. J Med Chem. 2017 Dec 28;60(24):10071-10091.

CAIndexNames:

7H-Pyrrolo[2,3-d]pyrimidin-4-amine, N-[trans-4-(4-morpholinyl)cyclohexyl]-5-(tetrahydro-2H-pyran-4-yl)-

SMILES:

C1(C(C2CCOCC2)=CN3)=C3N=CN=C1N[C@@H]4CC[C@@H](N5CCOCC5)CC4

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

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