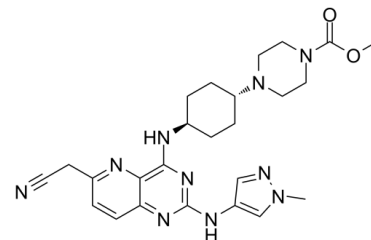


Data Sheet

Product Name:	IRAK4-IN-6
Cat. No.:	CS-0106052
CAS No.:	2454244-02-9
Molecular Formula:	C ₂₅ H ₃₂ N ₁₀ O ₂
Molecular Weight:	504.59
Target:	IRAK
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 125 mg/mL (247.73 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

IRAK4-IN-6 is an orally efficacious and selective **IRAK4** inhibitor with an **IC₅₀** of 4 nM, and targets MyD88 L265P mutant diffuse large B cell lymphoma^[1]. IC₅₀ & Target: IC₅₀: 4 nM (IRAK4)^[1]

References:

[1]. Degorce SL, et al. Discovery of a Series of 5-Azaquinazolines as Orally Efficacious IRAK4 Inhibitors Targeting MyD88L265P Mutant Diffuse Large B Cell Lymphoma. J Med Chem. 2019 Nov 1.

CAIndexNames:

1-Piperazinecarboxylic acid, 4-[trans-4-[[6-(cyanomethyl)-2-[(1-methyl-1H-pyrazol-4-yl)amino]pyrido[3,2-d]pyrimidin-4-yl]amino]cyclohexyl]-, methyl ester

SMILES:

O=C(N1CCN([C@@H]2CC[C@@H](NC3=C4C(C=CC(C#N)=N4)=NC(NC5=CN(C)N=C5)=N3)CC2)CC1)OC

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

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