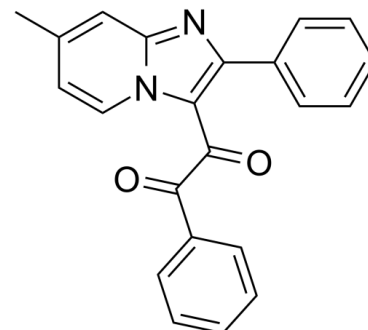


Data Sheet

Product Name:	IRAK4-IN-4
Cat. No.:	CS-0078778
CAS No.:	1850276-58-2
Molecular Formula:	C ₂₂ H ₁₆ N ₂ O ₂
Molecular Weight:	340.37
Target:	Cyclic GMP-AMP Synthase; IRAK
Pathway:	Immunology/Inflammation
Solubility:	DMSO : 25 mg/mL (73.45 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

IRAK4-IN-4 is an interleukin-1 receptor-associated kinase 4 (**IRAK4**) inhibitor extracted from patent CN107163044A, Compound15, has an **IC₅₀** of 2.8 nM. IRAK4-IN-4 also inhibits **cyclic GMP-AMP synthase (cGAS)** with an **IC₅₀** of 2.1 nM^[1]. **IC₅₀ & Target:** IC₅₀: 2.8 nM (IRAK4), 2.1 nM (cGAS)^[1]

References:

[1]. One class has the naphthalene second dione compounds and its derivative of protease modification activities. CN107163044A.

CAIndexNames:

1,2-Ethanedione, 1-(7-methyl-2-phenylimidazo[1,2-a]pyridin-3-yl)-2-phenyl-

SMILES:

O=C(C1=C(C2=CC=CC=C2)N=C3C=C(C)C=CN31)C(C4=CC=CC=C4)=O

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

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