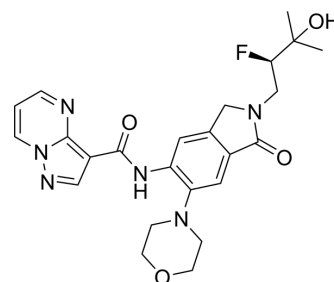


## GNE-2256

Cat. No.:	HY-148238
CAS No.:	2102170-43-2
Molecular Formula:	C <sub>24</sub> H <sub>27</sub> FN <sub>6</sub> O <sub>4</sub>
Molecular Weight:	482.51
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	GNE-2256 (molecule 19) is an orally active IRAK4 (Interleukin 1 receptor associated kinase 4) inhibitor (IRAK4 K <sub>i</sub> =1.4 nM; IL-6 IC <sub>50</sub> =190 nM) <sup>[1]</sup> .
IC <sub>50</sub> & Target	IRAK4 1.4 nM (K <sub>i</sub> )
In Vivo	GNE-2256 (3 mg/kg) shows inhibition of IL-6, TNFα, and IFNα secretion in R848-induced mouse PD model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Rajapaksa NS, et al. Discovery of Potent Benzolactam IRAK4 Inhibitors with Robust in Vivo Activity. ACS Med Chem Lett. 2019 Nov 11;11(3):327-333.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA