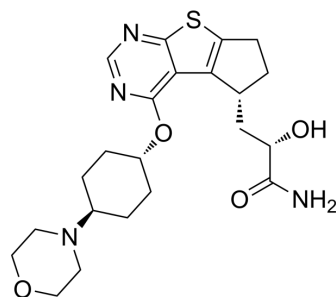


## ND-2158

Cat. No.:	HY-120041
CAS No.:	1388896-07-8
Molecular Formula:	C <sub>22</sub> H <sub>30</sub> N <sub>4</sub> O <sub>4</sub> S
Molecular Weight:	446.56
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

ND-2158 is a competitive IRAK4 inhibitor, with the K<sub>i</sub> of 1.3 nM. ND-2158 suppresses LPS-induced TNF production in human white blood cells, alleviated collagen-induced arthritis, and blocked gout formation in mouse models. ND-2158 has antitumor activity in vivo<sup>[1]</sup>.

## REFERENCES

[1]. Kelly PN, et al. Selective interleukin-1 receptor-associated kinase 4 inhibitors for the treatment of autoimmune disorders and lymphoid malignancy. *J Exp Med.* 2015;212(13):2189-2201.

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

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