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**Product Data Sheet**

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Product Name: NDI-034858

Cat. No.: GC66329

**Chemical Properties**

Cas. No. 2272904-53-5

Formula  $C_{23}H_{24}N_8O_3$ 

M.Wt 460.49

Solubility DMSO : 50 mg/mL (108.58 mM; ultrasonic and warming and heat to 60°C)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

NDI-034858 is a **TYK2** inhibitor, target **TYK2 JH2** domain with binding constant  $K_D$  of <200 pM<sup>[1]</sup>.

NDI-034858 (compound I-908) (10  $\mu$ M) exhibits inhibitory effect on Tyk2 and JAK by targeting Tyk2 JH1 and JAK JH1 domain with inhibition rates <50%, respectively<sup>[1]</sup>. NDI-034858 inhibits phosphorylation induction of heterodimer complex Tyk2 /JAK2-mediated IL-12 (1.7 ng/mL) effect, with IC<sub>50</sub> value of <0.1  $\mu$ M in human peripheral blood mononuclear cell<sup>[1]</sup>.

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

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