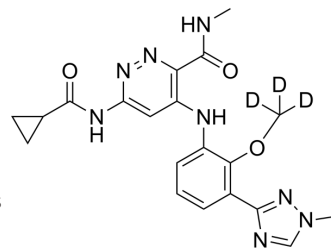


## Tyk2-IN-8

<b>Cat. No.:</b>	HY-144031S		
<b>CAS No.:</b>	2704587-24-4		
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>19</sub> D <sub>3</sub> N <sub>8</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	425.46		
<b>Target:</b>	JAK; Isotope-Labeled Compounds		
<b>Pathway:</b>	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (235.04 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3504 mL	11.7520 mL	23.5040 mL
5 mM	0.4701 mL	2.3504 mL	4.7008 mL
10 mM	0.2350 mL	1.1752 mL	2.3504 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Tyk2-IN-8 is a selective Tyk-2 inhibitor with an IC<sub>50</sub> of 5.7 nM for TYK2-JH2. Tyk2-IN-8 inhibits JAK1-JH1 with IC<sub>50</sub> of 3.0 nM. Tyk2-IN-8 can be used for the research of autoimmune disease[1].

### REFERENCES

[1]. Xiangyang Chen, et al. Heterocyclic compounds for inhibiting tyk2 activities. WO2021180072A1.

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

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