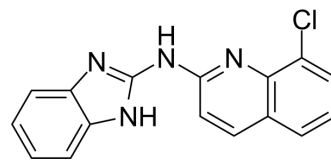


## hCES2-IN-1

Cat. No.:	HY-155181
CAS No.:	2994634-52-3
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> ClN <sub>4</sub>
Molecular Weight:	294.74
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 10 mg/mL (33.93 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.3928 mL	16.9641 mL	33.9282 mL	
5 mM	0.6786 mL	3.3928 mL	6.7856 mL	
10 mM	0.3393 mL	1.6964 mL	3.3928 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

hCES2-IN-1 (Compound 24) is a reversible and selective hCES2 inhibitor (IC<sub>50</sub>: 6.72 μM). hCES2-IN-1 reduces the level of hCES2 in living cells. hCES2-IN-1 is effective against Irinotecan (HY-16562)-induced delayed diarrhea and DSS-induced ulcerative colitis<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

6.72 μM (hCES2)<sup>[1]</sup>

### REFERENCES

[1]. Cao Z, et al. Discovery of novel carboxylesterase 2 inhibitors for the treatment of delayed diarrhea and ulcerative colitis. *Biochem Pharmacol.* 2023 Sep;215:115742.

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

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