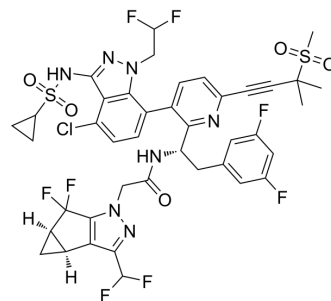


## CA inhibitor 1

<b>Cat. No.:</b>	HY-124594		
<b>CAS No.:</b>	2189684-45-3		
<b>Molecular Formula:</b>	C <sub>41</sub> H <sub>36</sub> ClF <sub>8</sub> N <sub>7</sub> O <sub>5</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	958.34		
<b>Target:</b>	HIV		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 50 mg/mL (52.17 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.0435 mL	5.2174 mL	10.4347 mL
5 mM	0.2087 mL	1.0435 mL	2.0869 mL
10 mM	0.1043 mL	0.5217 mL	1.0435 mL

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

## BIOLOGICAL ACTIVITY

### Description

CA inhibitor 1 (GS-6207 analog) is a potent HIV capsid inhibitor for HIV inhibition<sup>[1]</sup>. CA inhibitor 1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

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

HIV<sup>[1]</sup>

## REFERENCES

[1]. Michael Graupe, et al. Therapeutic compounds useful for the prophylactic or therapeutic treatment of an hiv virus infection. WO2018035359A1.

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

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