

SARS-CoV-2 Mpro-IN-41

Chemical Properties

CAS No. :

Formula: C₂₇H₂₃ClN₄O₃S

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	SARS-CoV-2 Mpro-IN-41 (Compound 7e) is an orally active inhibitor targeting COX-2 and SARS-CoV-2 Mpro, with respective IC ₅₀ values of 9.66 μM and 13.24 μM. It also demonstrates inhibitory activity against COX-1 (IC ₅₀ : 46.11 μM). This compound significantly suppresses the expression of inflammation-related cytokines such as TNF-α, IL-6, and IL-1β, exhibiting anti-inflammatory properties. By selectively inhibiting COX-2 and SARS-CoV-2 Mpro, SARS-CoV-2 Mpro-IN-41 exerts both anti-inflammatory and antiviral effects, making it a potential candidate for research in inflammation and COVID-19 treatment.
Targets(IC ₅₀)	COX,SARS-CoV

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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