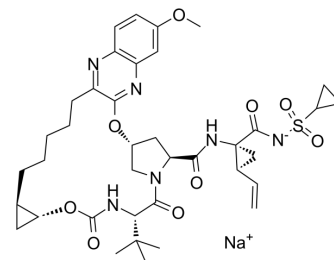


Grazoprevir sodium salt

Cat. No.:	HY-15298C
CAS No.:	1425038-27-2
Molecular Formula:	C ₃₈ H ₄₉ N ₆ NaO ₉ S
Molecular Weight:	788.89
Target:	HCV; HCV Protease; SARS-CoV
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Grazoprevir sodium salt (MK-5172 sodium salt) is a selective inhibitor of Hepatitis C virus NS3/4a protease with broad activity across genotypes and resistant variants, with K_s of 0.01 nM (gt1b), 0.01 nM (gt1a), 0.08 nM (gt2a), 0.15 nM (gt2b), 0.90 nM (gt3a), respectively^{[1][2]}. Grazoprevir sodium salt inhibits SARS-CoV-2 3CL^{Pro} activity^[3].

CUSTOMER VALIDATION

- Nat Biotechnol. 2019 Oct;37(10):1209-1216.
- Nat Methods. 2018 Jul;15(7):519-522.
- Signal Transduct Target Ther. 2021 May 29;6(1):212.
- Nat Commun. 2020 Sep 4;11(1):4417.
- Cancer Immunol Res. 2021 Jun 30.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Steven Harper , John A. McCauley , Michael T. Discovery of MK-5172, a Macrocyclic Hepatitis C Virus NS3/4a Protease Inhibitor. ACS Med. Chem. Lett., 2012, 3 (4), pp 332-336
- [2]. Summa V, Ludmerer SW, McCauley JA, MK-5172, a selective inhibitor of hepatitis C virus NS3/4a protease with broad activity across genotypes and resistant variants. Antimicrob Agents Chemother. 2012 Aug;56(8):4161-7.
- [3]. Qi Sun, et al. Bardoxolone and bardoxolone methyl, two Nrf2 activators in clinical trials, inhibit SARS-CoV-2 replication and its 3C-like protease. Signal Transduct Target Ther. 2021 May 29;6(1):212.

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

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