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Data Sheet

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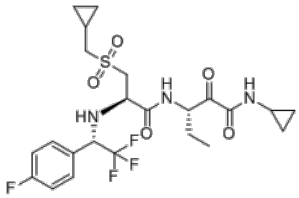
Product Name : VBY-825
Cat. No. : PC-21763
CAS No. : 1310340-58-9
Molecular Formula : $C_{23}H_{29}F_4N_3O_5S$
Molecular Weight : 535.55
Target : Cathepsin
Solubility : 10 mM in DMSO



Biological Activity

VBY-825 is an reversible cathepsin inhibitor of cathepsins B, L, S and V.with Ki values of 130/250/250/330/2.3/4.7 nM (cathepsin S/L/ZV/Bhumanized-rabbit cathepsin K/cathepsin F).
VBY-825 significantly decreases tumor burden and tumor number in pre-clinical model of pancreatic islet cancer.
VBY-825 antagonizes SARS coronavirus 2 (SARS-CoV-2) viral replication.

References

Riva L, et al. bioRxiv. 2020 Apr 17:2020.04.16.044016.

Riva L, et al. Nature. 2020 Oct;586(7827):113-119.

Elie BT, et al. Biochimie. 2010 Nov;92(11):1618-24.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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