

Product Name	: 20S Proteasome activator 1
Synonyms	: —
Cat No.	: M35713
CAS Number	: 2761578-18-9
Molecular Formula	: C ₂₇ H ₁₉ ClF ₂ N ₂ O ₅
Formula Weight	: 492.97
Chemical Name	: —
Description	20S Proteasome activator 1 is a potent 20S proteasome activator with EC ₅₀ values of 0.3 μM, 0.7 μM and 1.8 μM for trypsin-like site, chymotrypsin-like site and caspase-like site. 20S Proteasome activator 1 translates well in a cellular system, preventing the accumulation of the pathogenic A53T mutant of α-synuclein. 20S Proteasome activator 1 can be used for researching neurodegenerative diseases.
Pathway	: Proteasome/Ubiquitin
Target	: Proteasome
Receptor	: Proteasome
Solubility	: In Vitro: ?DMSO : 100 mg/mL (202.85 mM; Ultrasonic)
SMILES	: <chem>C(C(C(N(C1=CC=C(F)C=C1)C2=CC=C(F)C=C2)=O)N3C=4C(SC=5C3=CC=CC5)=CC=C(Cl)C4</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Staerz SD, et al. Design, Synthesis, and Biological Evaluation of Potent 20S Proteasome Activators for the Potential Treatment of α-Synucleinopathies. J Med Chem. 2022 May 12;65(9):6631-6642.?