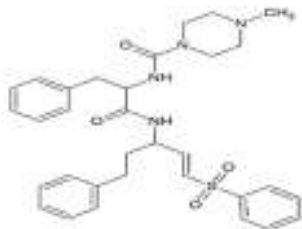


K-777

ALTERNATE NAME: N-[(2S)-1-[[[(E,3S)-1-(benzenesulfonyl)-5-phenylpent-1-en-3-yl]amino]-1-oxo-3-phenylpropan-2-yl]-4-methylpiperazine-1-carboxamide

CATALOG #: B3329-1 1 mg
B3329-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₂H₃₈N₄O₄S

MOLECULAR WEIGHT: 574.7

CAS NUMBER: 233277-99-1

APPEARANCE: Solid

PURITY: ≥98% by NMR

SOLUBILITY: >50 mg/ml DMSO

DESCRIPTION: K-777 is a potent and irreversible cysteine protease inhibitor. Also acts as a potent cysteine protease cruzain (cruzipain) inhibitor. Active against Trypanosoma cruzi the causative agent of Chagas' disease, a parasitic infection which is a leading cause of heart disease. K-777 is also a potent CYP3A4 inhibitor with an IC₅₀ of 60 nM and a selective CCR4 antagonist featuring the potent chemotaxis inhibition. K777 inhibits SARS-CoV and EBOV pseudovirus entry with IC₅₀ values of 0.68 nM and 0.87 nM, respectively

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Pepstatin A (1732)
Aprotinin (4690)
E-64d (B3047)
Leupeptin, hemisulfate (Microbial) (1648)
PMSF (1548)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*