

Abz-FRLKGGAPIKGV-EDDNP TFA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Abz-FRLKGGAPIKGV-EDDNP TFA is a fluorescent substrate used to assess the enzymatic activity of proteases, such as the papain-like protease 2 (PLP2) found in severe SARS-CoV. It shows potential for research into 2019-nCoV (COVID-19) infection.
Targets(IC50)	Others
In vitro	Abz-FRLKGGAPIKGV-EDDNP TFA exhibits minimal fluorescent emission due to fluorescence resonance energy transfer (FRET) between Abz and EDDNP. At pH 7.4, the apparent k_{cat} and K_m values for this fluorogenic substrate are 20 min^{-1} and $77 \mu\text{M}$, respectively. Substrate cleavage results in increased fluorescence emission, detected at excitation and emission wavelengths of 320 and 420 nm, respectively, whether or not the chemical compounds are present.

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