Mca-YVADAP-Lys(Dnp)-OH TFA

Cat. No.: HY-P2616A

Molecular Formula: $C_{55}H_{65}F_3N_{10}O_{21}$

Molecular Weight: 1259.15

Target: Cholinesterase (ChE); Caspase

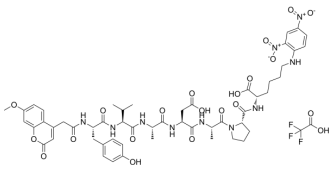
Pathway: Neuronal Signaling; Apoptosis

Storage: Sealed storage, away from moisture and light

Powder -80°C 2 years

-20°C 1 year

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 22.22 mg/mL (17.65 mM; ultrasonic and adjust pH to 9 with 1M NaOH)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	0.7942 mL	3.9709 mL	7.9419 mL
	5 mM	0.1588 mL	0.7942 mL	1.5884 mL
	10 mM	0.0794 mL	0.3971 mL	0.7942 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Mca-YVADAP-Lys(Dnp)-OH TFA is a fluorogenic substrate for caspase-1 and angiotensin-converting enzyme 2 (ACE2)[1].	
IC_{50} & Target	Caspase-1	AChE

REFERENCES

[1]. Susan Acton, et al. Preparation of amino acid derivatives for modulating angiotensin converting enzyme-2 (ACE-2). US20040082496A1.

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