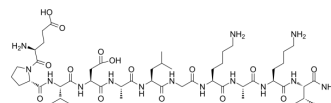


## NoxA1ds

Cat. No.:	HY-P1435
CAS No.:	1435893-78-9
Molecular Formula:	C <sub>50</sub> H <sub>88</sub> N <sub>14</sub> O <sub>15</sub>
Molecular Weight:	1125.32
Sequence Shortening:	EPVDALGKAKV-NH2
Target:	NADPH Oxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



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

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 100 mg/mL (88.86 mM); Need ultrasonic					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		0.8886 mL	4.4432 mL	8.8864 mL
		5 mM		0.1777 mL	0.8886 mL	1.7773 mL
		10 mM		0.0889 mL	0.4443 mL	0.8886 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (88.86 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

Description	NoxA1ds is a highly efficacious and selective Nox1 (NADPH oxidase isoform 1) inhibitor. NoxA1ds establishes a critical interaction site for Nox1-NOXA1 binding required for enzyme activation. NoxA1ds can be used for the research of hypertension, atherosclerosis and neoplasia <sup>[1]</sup> .
IC <sub>50</sub> & Target	NOX1

### REFERENCES

[1]. Ranayhossaini DJ, et al. Selective recapitulation of conserved and nonconserved regions of putative NOXA1 protein activation domain confers isoform-specific

**Caution: Product has not been fully validated for medical applications. For research use only.**

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