K41498 TFA

Cat. No.:	HY-P1106A
Molecular Formula:	$C_{164}H_{277}F_3N_{48}O_{48}$
Molecular Weight:	3746.22
Sequence:	{D-Phe}-His-Leu-Leu-Arg-Lys-{Nle}-Ile-Glu-Ile-Glu-Lys-Gln-Glu-Lys-Glu-Lys-Gln-Gln-Ala-Ala-Asn-Asn-Arg-Leu-Leu-Leu-Asp-Thr-Ile-NH2
Sequence Shortening:	{D-Phe}-HLLRK-{Nle}-IEIEKQEKEKQQAANNRLLLDTI-NH2
Target:	CFTR
Pathway:	Membrane Transporter/Ion Channel
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)

BIOLOGICAL ACTIVITY

Description	K41498 TFA is a potent and highly selective CRF2 receptor antagonist with K_i values of 0.66 nM, 0.62 nM and 425 nM for human $CRF_{2\alpha}$, $CRF_{2\beta}$ and CRF_1 receptors respectively. K41498 TFA is an analogues of antisauvagine-30 (aSvg-30), inhibits sauvagine-stimulated cAMP accumulation in $hCRF_{2\alpha}$- and $hCRF_{2\beta}$-expressing cells. K41498 TFA can be used for hypotension study[1].

REFERENCES

[1]. A Rühmann, et al. Design, synthesis and pharmacological characterization of new highly selective CRF(2) antagonists: development of 123I-K31440 as a potential SPECT ligand. Peptides. 2002 Mar;23(3):453-60.

[2]. A J Lawrence, et al. The highly selective CRF(2) receptor antagonist K41498 binds to presynaptic CRF(2) receptors in rat brain. Br J Pharmacol

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