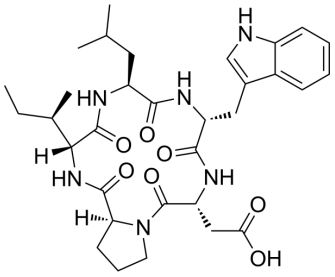
JKC 301

Cat. No.:	HY-P4201
CAS No.:	136553-96-3
Molecular Formula:	$C_{32}H_{44}N_6O_7$
Molecular Weight:	624.73
Sequence:	Cyclo({d-Asp}-Pro-{d-Ile}-Leu-{d-Trp})
Sequence Shortening:	Cyclo({d-Asp}-P-{d-Ile}-L-{d-Trp})
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JKC 301 is a selective Endothelin A receptor antagonist. JKC 301 attenuates the pressor effects of nicotine in rats. JKC 301 can be used to study cardiovascular disease caused by smoking[1][2].
IC_{50} & Target	Endothelin A receptor[1][2].

REFERENCES

[1]. Tanus-Santos JE, Sampaio RC, Hyslop S, Franchini KG, Moreno H Jr. Endothelin ET(A) receptor antagonism attenuates the pressor effects of nicotine in rats. Eur J Pharmacol. 2000 May 12;396(1):33-7.

[2]. Ngoka LC, et al. Location of alkali metal binding sites in endothelin A selective receptor antagonists, cyclo(D-Trp-D-Asp-Pro-D-Val-Leu) and cyclo(D-Trp-D-Asp-Pro-D-Ile-Leu), from multistep collisionally activated decompositions. J Mass Spectrom. 2000 Feb;35(2):265-76.

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

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