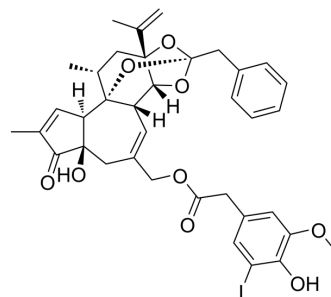


5-Iodoresiniferatoxin

Cat. No.:	HY-108453
CAS No.:	535974-91-5
Molecular Formula:	C ₃₇ H ₃₉ IO ₉
Molecular Weight:	754.6
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-Iodoresiniferatoxin (I-RTX) is a selective TRPV1 antagonist, with an IC ₅₀ s of 0.7 and 5.4 nM for rat and human receptors, respectively. 5-Iodoresiniferatoxin induces TRPV1-dependent hypothermia in vivo ^[1] .	
IC₅₀ & Target	rTRPV1 0.7 nM (IC ₅₀)	hTRPV1 5.4 nM (IC ₅₀)

REFERENCES

[1]. Seabrook GR, et, al. Functional properties of the high-affinity TRPV1 (VR1) vanilloid receptor antagonist (4-hydroxy-5-iodo-3-methoxyphenylacetate ester) iodo-resiniferatoxin. J Pharmacol Exp Ther. 2002 Dec;303(3):1052-60.

[2]. Shimizu I, et, al. 5-Iodoresiniferatoxin evokes hypothermia in mice and is a partial transient receptor potential vanilloid 1 agonist in vitro. J Pharmacol Exp Ther. 2005 Sep;314(3):1378-85.

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

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