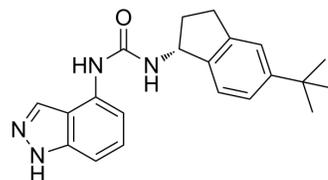


ABT-102

Cat. No.:	HY-10635
CAS No.:	808756-71-0
Molecular Formula:	C ₂₁ H ₂₄ N ₄ O
Molecular Weight:	348.44
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	ABT-102 is a potent and highly selective Vanilloid Receptor (TRPV1) receptor antagonist. ABT-102 potently and reversibly increases heat pain thresholds and reduced painfulness of suprathreshold oral/cutaneous heat. ABT-102 reduces nociceptive responses of animals in models of inflammatory, bone cancer, postoperative, and osteoarthritic pain ^{[1][2]} .
IC ₅₀ & Target	TRPV1

REFERENCES

[1]. Lukin K, et al. Development of a Large Scale Asymmetric Synthesis of Vanilloid Receptor (TRPV1) Antagonist ABT-102. *Organic Process Research & Development*, 2007, 11(3):578-584.

[2]. Rowbotham MC, et al. Oral and cutaneous thermosensory profile of selective TRPV1 inhibition by ABT-102 in a randomized healthy volunteer trial. *Pain*. 2011 May;152(5):1192-1200.

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

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