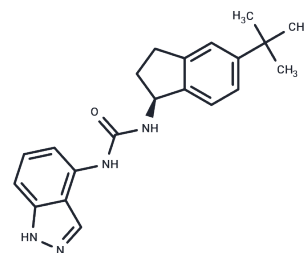


(S)-ABT 102

Chemical Properties

CAS No. :	808756-70-9
Formula:	C ₂₁ H ₂₄ N ₄ O
Molecular Weight:	348.44
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	N-[(1S)-5-tert-butyl-2,3-dihydro-1H-inden-1-yl]-N'-1H-indazol-4-ylurea is a potent TRPV1 antagonist, blocking activation of TRPV1 by capsaicin with the IC ₅₀ of 123 nM.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 50 mg/mL (143.49 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8699 mL	14.3497 mL	28.6993 mL
5 mM	0.574 mL	2.8699 mL	5.7399 mL
10 mM	0.287 mL	1.435 mL	2.8699 mL
50 mM	0.0574 mL	0.287 mL	0.574 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Gomtsyan A, et al. Identification of (R)-1-(5-tert-butyl-2,3-dihydro-1H-inden-1-yl)-3-(1H-indazol-4-yl)urea (ABT-102) as a potent TRPV1 antagonist for pain management. J Med Chem. 2008 Feb 14;51(3):392-5.

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