

TRPV1 antagonist 11

Chemical Properties

CAS No. :

Formula: C31H37N7O2

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	TRPV1 antagonist 11 (compound 2ac) is a highly potent TRPV1 antagonist with an IC50 of 29.3 nM. It also acts as a μ -opioid receptor (MOR) agonist with a Ki of 60.3 nM. This pyrimidinylpiperazine compound provides analgesic effects by antagonizing TRPV1 and activating MOR. In mouse models of formalin-induced pain, TRPV1 antagonist 11 demonstrates effective dose-dependent antinociceptive properties.
Targets(IC50)	Opioid Receptor,TRP/TRPV Channel

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