Icilin

TRPM8 activator

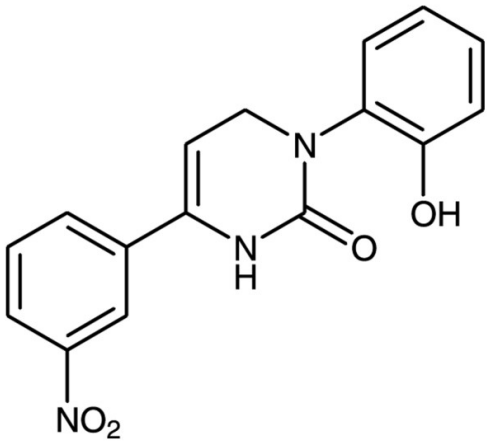
Cooling agent. Strongly activates TRPM8 (IC_{50}=0.2μM), cold menthol receptor 1 (CMR1, IC_{50}=0.36μM), a nonselective, cold-activated cation channel and TRPA1 (at 10- to 100-fold higher concentration). Induces currents in TRPM8 expressing HEK 293 cells (EC_{50}=0.36mM) more potently than menthol (Prod. No. ALX-420-042) or low temperatures. Activates TRPM8 with variable latency, followed by extensive desensitization provided calcium is present. The effects of icilin can be impacted by both pH and cytosolic calcium levels.

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Ordering Information Order Online »

BML-CM126-0050	50mg

Manuals, SDS & CofA View Online »

N OH N H O NO2	

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at room temperature for up to 1 year. Store solutions at -20°C for up to 3 months.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	AG 3-5, 3,6-Dihydro-1-(2-hydroxyphenyl)-4-(3-nitrophenyl)-2(1H)-pyrimidinone
Appearance	Light yellow to orange solid.
CAS	36945-98-9
Couple Target	TRP channel
Couple Type	Activator
Formula	$C_{16}H_{13}N_3O_4$
MW	311.3
Purity	≥97% (TLC)
Solubility	Soluble in DMSO (50mg/ml).

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