

Platyconic acid A Biochemical

Platyconic acid A

CATALOG #
AAA228852

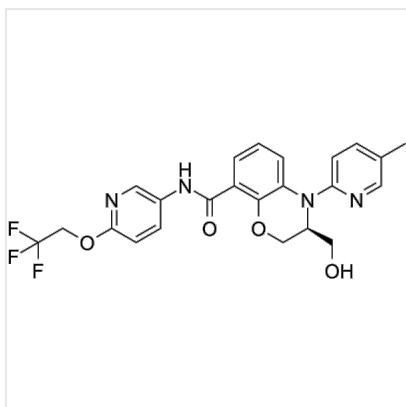
PRODUCT SYNONYMS

Platyconic acid A; Platyconic acid A biochemical

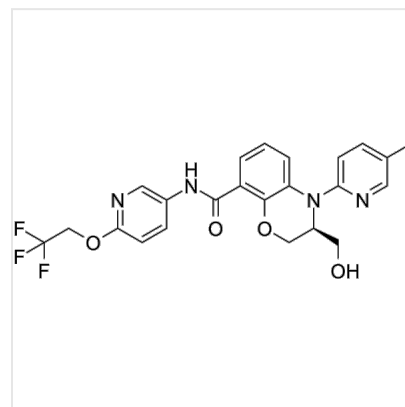
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	68051-23-0
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Platyconic Acid A (0.5~2 uM; 30 minutes; A549 cells) inhibits PMA-induced NF-kappaB p65 phosphorylation, IkappaBalpha phosphorylation and degradation and Akt phosphorylation in a concentration-dependent manner[1]. Platyconic Acid A (0.5~2 uM; 24 hours; A549 cells) decreases PMA-increased MUC5AC mRNA expression in a concentration-dependent manner[1]. Western Blot Analysis[1]Cell Line: A549 cells Concentration: 0.5~2 uM Incubation Time: 30 minutes. Result: Inhibited PMA-induced NF-kappaB p65 phosphorylation, IkappaBalpha phosphorylation and degradation and Akt phosphorylation in a concentration-dependent manner. RT-PCR[1]Cell Line: A549 cells Concentration: 0.5~2 uM Incubation Time: 24 hours. Result: Decreased PMA-increased MUC5AC mRNA expression in a concentration-dependent manner.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
JTS-653, CAS 942614-99-5



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ADDITIONAL INFORMATION

Related Product Information for Platyconic acid A biochemical

Platyconic Acid A is an active component of changkil saponins from platycodon grandiflorum and can be used for the research of reducing airway inflammation.

References

1. Yoshihiro Kitagawa, et al. Pharmacological characterization of (3S)-3-(hydroxymethyl)-4-(5-methylpyridin-2-yl)-N-[6-(2,2,2-trifluoroethoxy)pyridin-3-yl]-3,4-dihydro-2H-benzo[b][1,4]oxazine-8-carboxamide (JTS-653), a novel transient receptor potential vanilloid 1 antagonist. J Pharmacol Exp Ther. 2012 Aug;342(2):520-8.
2. Yoshihiro Kitagawa, et al. Orally administered selective TRPV1 antagonist, JTS-653, attenuates chronic pain refractory to non-steroidal anti-inflammatory drugs in rats and mice including post-herpetic pain. J Pharmacol Sci. 2013;122(2):128-37.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/platyconic-acid-a/228852>