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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Imiquimod

TLR7/8 Agonist
Catalog No. SIH-601



Discovery through Partnership | Excellence through Quality

Product Name

Imiquimod

Description

TLR7/8 Agonist

Purity

>98% (HPLC); NMR (conforms)

CAS No.

99011-02-6

Molecular Formula

C₁₄H₁₆N₄

Molecular Weight

240.3

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Agonist

Solubility

May be dissolved in DMSO (2 mg/ml, warm)

Source
Synthetic
Appearance
White powder
SMILES
<chem>CC(C)CN1C=NC2=C1C3=CC=CC=C3N=C2N</chem>
InChI
InChI=1S/C14H16N4/c1-9(2)7-18-8-16-12-13(18)10-5-3-4-6-11(10)17-14(12)15/h3-6,8-9H,7H2,1-2H3,(H2,15,17)
InChIKey
DOUYETYNHWWLEO-UHFFFAOYSA-N
Safety Phrases
Classification: Acute toxicity, Oral (Category 3), H301 Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319 Hazard statement(s) H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. Precautionary statement(s) P264 Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ eye protection/ face protection. P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332 + P313 If skin irritation occurs: Get medical advice/ attention. P337 + P313 If eye irritation persists: Get medical advice/ attention. P362 + P364 Take off contaminated clothing and wash it before reuse. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.
Cite This Product
Imiquimod (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-601)

Biological Description

Alternative Names
1-Isobutyl-1H-imidazo[4,5-c]quinolin-4-amine; R837; S26308; TMX-101
Research Areas
Alzheimer's Disease, Cell Signaling, Immunology, Innate Immunity, Neurodegeneration, Neuroscience, Protein Phosphorylation, Serine / Threonine Kinases, TLR Signaling
PubChem ID
57469

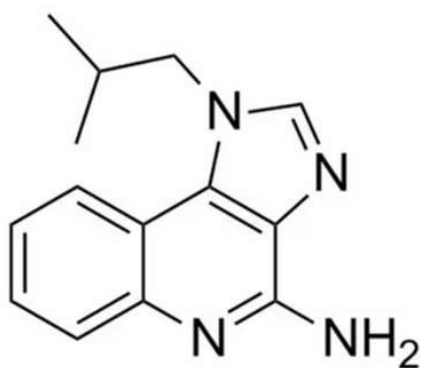
Scientific Background

Imiquimod activates the toll-like receptor7 /8 to secrete cytokines (primarily interferon- α (IFN- α), interleukin-6 (IL-6), and tumor necrosis factor- α (TNF- α)). It also has been shown to act as an adenosine A1 and A2A receptor antagonist. It is clinically useful in the treatment of superficial basal cell carcinoma.

References

1. Kan Y., et al. (2012) J Virol. 86(19): 10338-10346.

Product Images



Chemical structure of Imiquimod (SIH-601), a TLR7-8 Agonist. CAS #: 99011-02-6. Molecular Formula: C₁₄H₁₆N₄. Molecular Weight: 240.3 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.