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DATASHEET

Imiquimod

Product overview

Name	Imiquimod
Cat No	HB3109
Alternative names	R 837
Purity	>98%
Description	Toll-like receptor 7 (TLR7) agonist

Images



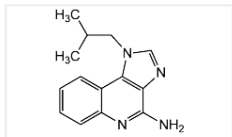
Biological Data

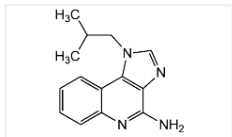
Biological description	TLR7 agonist and Caspase-3 activator. Immune response modulator. Stimulates proinflammatory cytokine production and activates NF- κ B. Shows antiproliferative, antiviral, anti-inflammatory and anti-cancer actions. Also induces apoptosis.
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Solubility & Handling

Solubility overview	sparingly Soluble in DMSO (approximately 5 mM)
Storage instructions	+4 °C
Storage of solutions	Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.
Shipping Conditions	Stable for ambient temperature shipping. Follow storage instructions on receipt.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-Amino-1-isobutyl-1H-imidazo(4,5-c)quinoline
Molecular Weight	240.3
Chemical structure	



Chemical name	4-Amino-1-isobutyl-1H-imidazo(4,5-c)quinoline
Molecular Formula	C ₁₄ H ₁₆ N ₄
CAS Number	99011-02-6
PubChem identifier	57469
SMILES	<chem>CC(C)CN2C=NC1=C(N)N=C3C(C=CC=C3)=C12</chem>
InChiKey	DOUYETYNHWVLEO-UHFFFAOYSA-N
Appearance	White to off-white powder
