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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



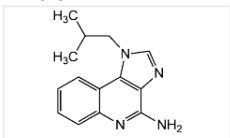
Biological Data

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

Storage instructions	+4 °C
Solubility overview	sparingly Soluble in DMSO (approximately 5 mM)
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	
Molecular Formula	C ₁₄ H ₁₆ N ₄
CAS Number	99011-02-6
PubChem identifier	57469

Chemical name	4-Amino-1-isobutyl-1H-imidazo(4,5-c)quinoline
SMILES	<chem>CC(C)CN2C=NC1=C(N)N=C3C(C=CC=C3)=C12</chem>
InChiKey	DOUYETYNHWWLEO-UHFFFAOYSA-N
Appearance	White to off-white powder
