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DATASHEET

Gardiquimod

Product overview

Name	Gardiquimod
Cat No	HB3915
Purity	>98%
Description	Selective toll-like receptor 7 (TLR7) agonist

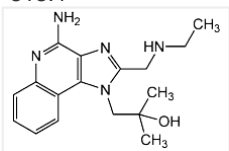
Biological Data

Biological description	Selective toll-like receptor 7 (TLR7) agonist. Immune response modifier. Antiviral and antitumor compound. Induces the activation of NF-kappaB in HEK 293 cells expressing TLR7 at 0.1 µg/ml. 10 times more active than Imiquimod. At high concentrations (3 µg/ml) slightly activates TLR8. Shows adjuvant activity to increase the effectiveness of vaccines.
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Solubility & Handling

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	1-(4-Amino-2-ethylaminomethylimidazo[4,5-c]quinolin-1-yl)-2-methylpropan-2-ol
Molecular Weight	313.4
Chemical structure	
CAS Number	1020412-43-4
InChiKey	InChI=1/C17H23N5O/c1-4-19-9-13-21-14-15(22(13)10-17(2,3)23)11-7-5-6-8-12(11)20-16(14)18/h5-8,19,23H,4,9-10H2,1-3H3,(H2,18,20)/f/h18H2
Appearance	White to off-white powder