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DATASHEET

Gardiquimod

Product overview

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

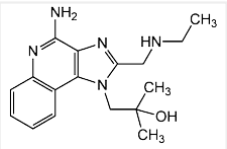
Biological Data

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. 1µg/ml. 10 times more active than Imiquimod. At high concentrations (3µg/ml) slightly activates TLR8. Shows adjuvant activity to increase the effectiveness of vaccines.

Solubility & Handling

Storage instructions	+4°C
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