R-848

Ligand for TLR7 and TLR8

R-848 is a selective ligand for Toll-like receptor 7 (TLR7) in mouse and for TLR7 and TLR8 in human. R-848 displays potent antitumor, proinflammatory, and anti-viral properties. R-848 stimulates antibody secretion, cytokine production (e.g. IL-6, IL-12, and IFNg), protection from apoptosis, and CD80 upregulation.

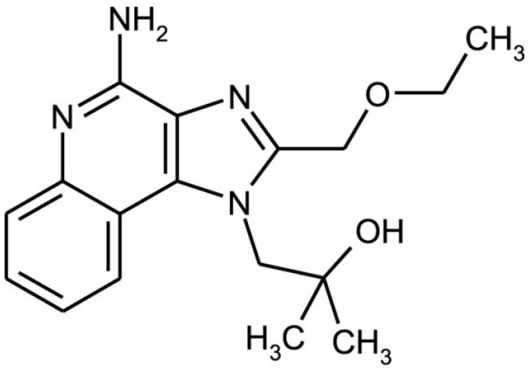
Citations: 80 View Online »

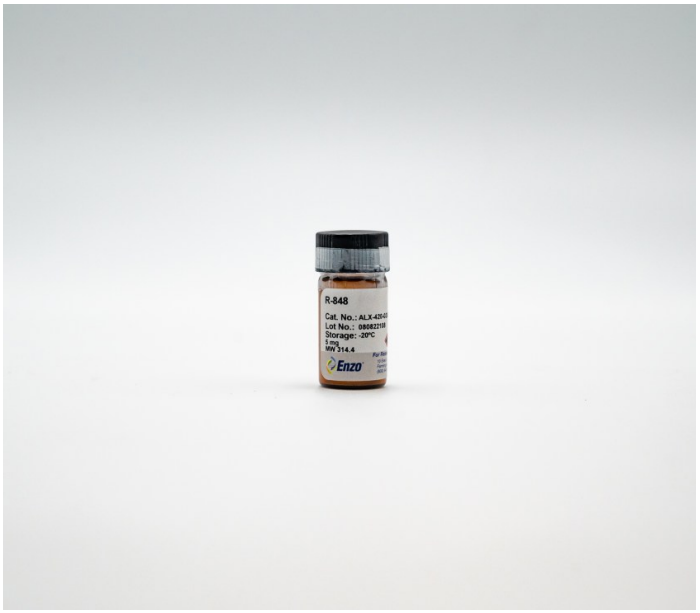
- Highly pure and selective ligand for TLR7 and TLR8
- Highly cited

Ordering Information Order Online »

ALX-420-038-M005	5mg
ALX-420-038-M025	25mg

Manuals, SDS & CofA View Online »


NH2
CH3
O
N
N
N
OH
H3C
CH3


R-848
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	4-Amino-2-(ethoxymethyl)-a,a-dimethyl-1H-imidazo[4,5-c]quinoline-1-ethanol, S 28463, Resiquimod
Appearance	White to off-white solid.
CAS	144875-48-9
Couple Target	TLR, TLR7, TLR8
Couple Type	Ligand
Endotoxin Content	Endotoxin-free
Formula	$C_{17}H_{22}N_4O_2$
Identity	Identity determined by MS, 1H-NMR, and 13C-NMR.
MW	314.4
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO, 100% methanol, 5% methanol in dichloromethane; poorly soluble in acetonitrile or ethyl acetate.
Source	Synthetic

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