

Motolimod, TLR8 Agonist

Catalog	Unit
TBI4920-5MG	5 mg
TBI4920-25MG	25 mg

Product Details

Formal Name: 2-Amino-N,N-dipropyl-8-[4-(pyrrolidine-1-carbonyl)phenyl]-3H-1-benzapine-4-carboxamide

Alternate Names: VTX-2337

Molecular Formula: C₂₈H₃₄N₄O₂

Formula Weight: 458.61

CAS Number: 926927-61-9

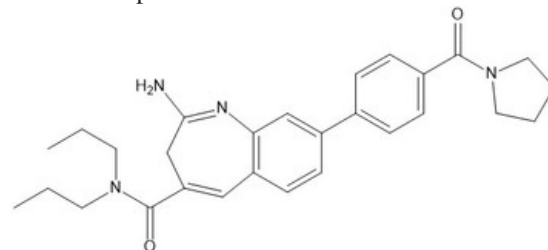
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

TLR8 Agonist

Functions

Motolimod (926927-61-9) is a selective Toll-like receptor 8 (TLR8) agonist (EC₅₀ = 100 nM). It stimulates the production of TNF α and IL-12 from monocytes and myeloid dendritic cells. Motolimod also stimulated IFN γ production from NK cells and increased their toxicity against K562 and ADCC by rituximab and trastuzumab. It induced apoptosis in monocytic myeloid-derived suppressor cells. Motolimod is being investigated in combination with other cancer immunotherapies. Motolimod has also been shown to induce secreted IL-1 β and IL-8 via activation of the NLRP3 inflammasome.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.