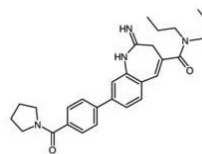


Product Name	: Motolimod
Synonyms	: VTX-2337; VTX2337; VTX2337; Motolimod
Cat No.	: M17666
CAS Number	: 926927-61-9
Molecular Formula	: C ₂₈ H ₃₄ N ₄ O ₂
Formula Weight	: 458.6
Chemical Name	: 2-amino-N,N-dipropyl-8-(4-(pyrrolidine-1-carbonyl)phenyl)-3H-benzo[b]azepine-4-carboxamide
Description	<p>Motolimod, also known as VTX-2337, is a small-molecule Toll-like receptor 8 (TLR8) agonist with potential immunostimulating and antineoplastic activities. TLR8 agonist VTX-2337 binds to TLR8, present in cutaneous dendritic cells, monocytes/macrophages, and mast cells, which may result in the activation of the central transcription factor nuclear factor-B, the secretion of proinflammatory cytokines and other mediators, and a Th1-weighted antitumoral cellular immune response. Primarily localized to endosomal membranes intracellularly, TLR8, like other TLRs, recognizes pathogen-associated molecular patterns (PAMPs) and plays a key role in the innate immune system.</p>
Pathway	: Neuroscience
Target	: GluR
Receptor	: TLR8
Solubility	: DMSO : 50 mg/mL 109.03 mM;
SMILES	: <chem>CCCN(CCC)C(=O)C1=Cc2c(cc(cc2)c2ccc(cc2)C(=O)N2CCCC2)N=C(N)C1</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1.Lu H,etal.VTX-2337 is a novel TLR8 agonist that activates NK cells and augments ADCC.Clin Cancer Res. 2012 Jan 15;18(2):499-509.