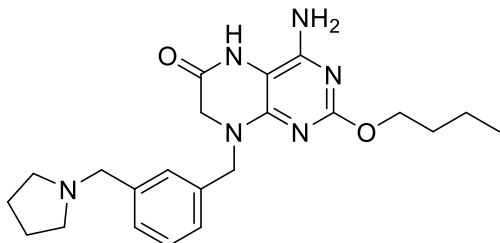


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
206456	Vesatolimod	CRB70315

Chemical name	
4-amino-2-butoxy-8-(3-(pyrrolidin-1-ylmethyl)benzyl)-7,8-dihydropteridin-6(5H)-one	
Synonyms	
GS-9620; GS 9620; GS9620; Vesatolimod	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 206456 Name: Vesatolimod CAS#: 1228585-88-3 Lot#: CRB70315 Chemical Formula: C ₂₂ H ₃₀ N ₆ O ₂ Exact Mass: 410.24302 Molecular Weight: 410.52

Analysis item	Specifications / Results
Appearance	White to off-white solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Solubility	Soluble in DMSO.
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE