

Vesatolimod, TLR7 agonist / antiviral

Catalog	Unit
TBI4921-5MG	5 mg
TBI4921-25MG	25 mg

Product Details

Formal Name: 4-Amino-2-butoxy-8-[[3-(pyrrolidine-1-ylmethyl)phenyl]methyl]-5,7-dihydropteridin-6-one

Alternate Names: GS-9620

Molecular Formula: C₂₂H₃₀N₆O₂

Formula Weight: 410.52

CAS Number: 1228585-88-3

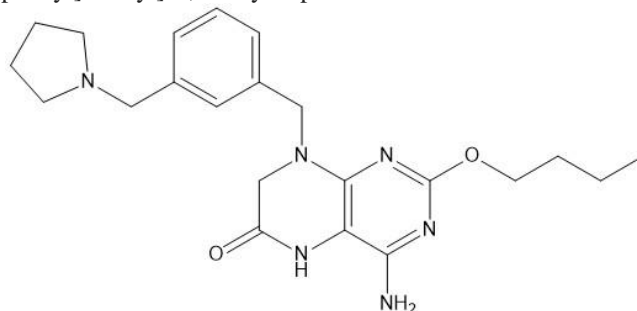
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

TLR7 agonist / antiviral

Functions

Toll-like receptor 7 (TLR7) agonist (EC₅₀ = 290 nM in a HEK293 cell line reporter assay; IFN α MEC 3 nM, 100 fold selectivity over TNF α activation). Displays significant antiviral activity via immune activation against HIV, Hepatitis B, Norovirus, and enterovirus.

Application Procedures

First dissolved in DMSO (up to 10 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.