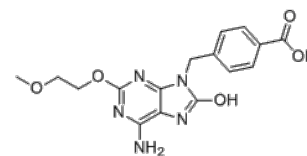


Product Name : 1V209
Cat. No. : PC-73063
CAS No. : 1062444-54-5
Molecular Formula : C₁₆H₁₇N₅O₅
Molecular Weight : 359.342
Target : Toll-like Receptor (TLR)
Solubility :



Biological Activity

1V209 is a synthetic small molecule TLR7 specific ligand and agonist.

1V209 can be stably conjugated to primary amine functionalized Ficoll or dextran using benzoic acid functional groups.

1V209 conjugated to silica nanoshells is capable of activating an inflammasome pathway to enhance both innate immunostimulatory and adjuvant potencies of the TLR7 agonist, thereby broadening applications of innate immune stimulators.

References

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Huang CH, et al. *ACS Appl Mater Interfaces.* 2019 Jul 31;11(30):26637-26647.

Baba A, et al. *Bioorg Med Chem Lett.* 2020 Feb 1;30(3):126840.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com