

Product Datasheet

INI-4001 (orb2665363)

Catalog Number	orb2665363
Description	INI-4001, a TLR7/8 agonist, exhibits EC50 values of 1.89 μ M and 4.86 μ M for TLR7 and TLR8, respectively. This compound induces signal transduction and SEAP production through TLR7 and TLR8. Furthermore, INI-4001 stimulates the production of high-affinity, fentanyl-specific antibodies, effectively preventing fentanyl from crossing the human blood-brain barrier. It serves as an effective adjuvant in anti-fentanyl vaccines for individuals with opioid use disorder (OUD).
Storage	-20°C
Note	For research use only
Formula	C ₅₉ H ₁₀₉ N ₆ O ₁₃ P
Purity	98.00%
MW	1141.5
CAS Number	2549050-07-7
SMILES	<chem>C(N1C=2C(NC1=O)=C(N)N=C(O[C@H](CCC)C)N2)C3CCN(CCOP(OCCOCCOCCOC[C@H](OC(CCCCCCCCCCCCCC)=O)COC(CCCCCCCCCCCCCC)=O)(=O)O)CC3</chem>
Expiration Date	12 months from date of receipt.

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