


Certificate of Analysis

Catalog Number	BP15043
Product Name	TLR3-IN-1

Physical and Chemical Properties

Synonyms	CU CPT 4a
CAS No.	1279713-77-7
Chemical Formula	C ₁₈ H ₁₃ ClFNO ₃ S
Molecular Weight	377.81
Solubility	DMSO: <37.78mg/ml
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	CU CPT 4a is a selective TLR3 inhibitor (IC ₅₀ : 3.44 μM in RAW 264.7 cells). It can inhibit TLR3/dsRNA complex-mediated downstream signaling pathways and inhibit the production of TNF-α and IL-1β in whole cells.
Targets&IC ₅₀	TLR3:3.44 μM (in RAW 264.7 cells)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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