

# Product data sheet



MedKoo Cat#: 572304 Name: NUN 00741 CAS: 2107273-24-3 Chemical Formula: C <sub>41</sub> H <sub>57</sub> ClN <sub>2</sub> O <sub>8</sub> Exact Mass: 740.3803 Molecular Weight: 741.363	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

NUN 00741, also known as N-(m-PEG4)-N'-(PEG2-acid)-Cy5 is a PEG derivative containing a cyanine dye with excitation/emission maximum 649/667 nm and a free terminal carboxylic acid. Terminal carboxylic acid can react with primary amine groups in the presence of activators (e.g. EDC, or DCC) to form a stable amide bond. The hydrophilic PEG spacer increases solubility in aqueous media.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
TBD	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.35 mL	6.74 mL	13.49 mL
5 mM	0.27 mL	1.35 mL	2.70 mL
10 mM	0.14 mL	0.67 mL	1.35 mL
50 mM	0.03 mL	0.14 mL	0.27 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

NUN 00741, also known as N-(m-PEG4)-N'-(PEG2-acid)-Cy5 is a PEG derivative containing a cyanine dye with excitation/emission maximum 649/667 nm and a free terminal carboxylic acid.

In vitro activity

TBD

In vivo activity

TBD

# Product data sheet



*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*