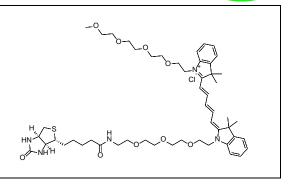
# **Product data sheet**



MedKoo Cat#: 572338				
Name: OAN 00983				
CAS: 2107273-68-5				
Chemical Formula: C <sub>52</sub> H <sub>76</sub> ClN <sub>5</sub> O <sub>9</sub> S				
Exact Mass: 981.5052				
Molecular Weight: 982.716				
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:

OAN 00983, also known as N-(m-PEG4)-N'-(biotin-PEG3)-Cy5 is a PEG derivative containing a cyanine dye with excitation/emission maximum 649/667 nm as well as biotin. Biotin enables efficient protein enrichment. The hydrophilic PEG spacer increases solubility in aqueous media. This product has no formal name at the moment. For the convenience of communication, a temporary code name was therefore proposed according to MedKoo Chemical Nomenclature (see web page: https://www.medkoo.com/page/naming).

#### 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	1.02 mL	5.09 mL	10.18 mL
5 mM	0.20 mL	1.02 mL	2.04 mL
10 mM	0.10 mL	0.51 mL	1.02 mL
50 mM	0.02 mL	0.10 mL	0.20 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:

OAN 00983, also known as N-(m-PEG4)-N'-(biotin-PEG3)-Cy5 is a PEG derivative containing a cyanine dye with excitation/emission maximum 649/667 nm as well as biotin.

In vitro activity

**TBD** 

In vivo activity

# **Product data sheet**



TRD

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.