

# Product data sheet



MedKoo Cat#: 555767 Name: CIN16645 CAS#: 1799316-64-5 Chemical Formula: C <sub>50</sub> H <sub>93</sub> NO <sub>9</sub> Exact Mass: 851.685 Molecular Weight: 852.292	
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:

CIN-16645 is a cationic lipid and is useful in the delivery of biologically active agents to cells and tissues. CIN16645 was first reported in patent WO 2015095340. BUN78892, also known as 5,6-Dihydroxy-2-methylaminotetralin, is a bioactive chemical. 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
DMSO	TBD	TBD

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.17 mL	5.87 mL	11.73 mL
5 mM	0.23 mL	1.17 mL	2.35 mL
10 mM	0.12 mL	0.59 mL	1.17 mL
50 mM	0.02 mL	0.12 mL	0.23 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:

CIN-16645 is a cationic lipid and is useful in the delivery of biologically active agents to cells and tissues.

In vitro activity

TBD

In vivo activity

TBD

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*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.*