

**Product Name:** CU CPT 22

**Catalog No.:** 4884

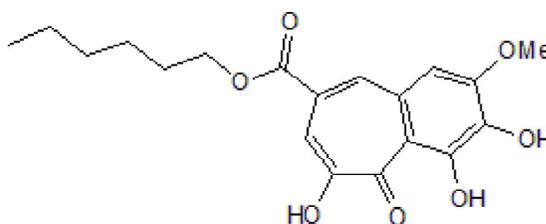
**Batch No.:** 2

CAS Number: 1416324-85-0

IUPAC Name: 3,4,6-Trihydroxy-2-methoxy-5-oxo-5H-benzocycloheptene-8-carboxylic acid hexyl ester

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>22</sub>O<sub>7</sub>.  
**Batch Molecular Weight:** 362.37  
**Physical Appearance:** Orange solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 97.5% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	62.98	6.12	
Found	62.76	6.11	

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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**Description:**

CU CPT 22 is a selective toll-like receptor 1/2 (TLR1/2) inhibitor (IC<sub>50</sub> = 0.58 μM). Exhibits no activity at TLR2/TLR6, TLR3, TLR4 and TLR7 or a panel of 10 representative kinases. Inhibits the release of proinflammatory cytokines TNF-α and IL-1β.

**Physical and Chemical Properties:**

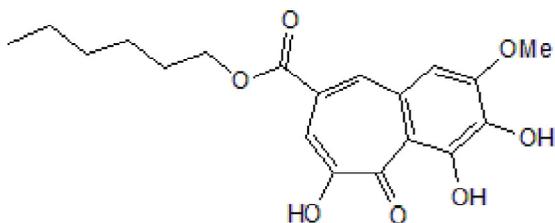
Batch Molecular Formula: C<sub>19</sub>H<sub>22</sub>O<sub>7</sub>.

Batch Molecular Weight: 362.37

Physical Appearance: Orange solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**Licensing Information:**

Sold under license from the University of Colorado

**References:**

**Cheng et al** (2012) Discovery of small-molecule inhibitors of the TLR1/TLR2 complex. *Angew Chem.Int.Ed.Engl.* **51** 12246. PMID: 22969053.

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