

## CEM114 biochemical

CEM114

CATALOG #  
AAA228291

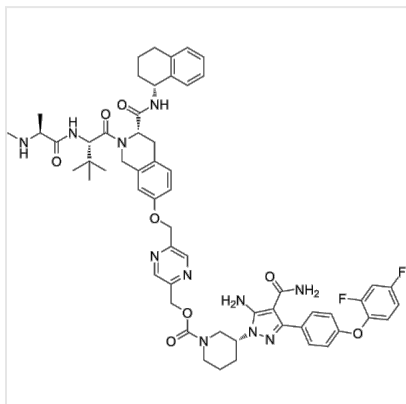
### PRODUCT SYNONYMS

CEM114; CEM114 biochemical

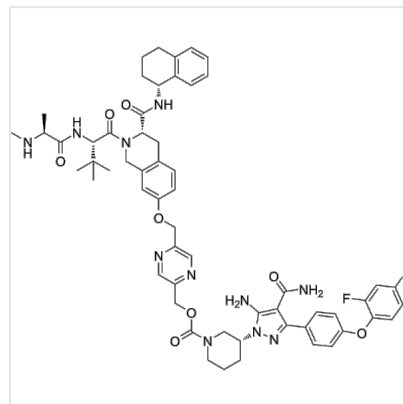
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification     | 98%                                                                                                                                                                                                                                                                                                                                                |
| CAS                     | 2279062-54-1                                                                                                                                                                                                                                                                                                                                       |
| Solubility              | <1mg/ml refers to the product slightly soluble or insoluble                                                                                                                                                                                                                                                                                        |
| In vitro                | CEM114 (200 nM; 48 hours) treatment significantly activates the Green Fluorescent Protein (GFP) signal, suggesting that excess FK506 is able to outcompete CEM114 from the FKBP binding site[1]. Cell Viability Assay[1]Cell Line: HEK 293T cells Concentration: 200 nM Incubation Time: 48 hours. Result: Significantly activated the GFP signal. |
| Preparation and Storage | Powder: -20 degree C for 3 years<br>In solvent: -80 degree C for 2 years                                                                                                                                                                                                                                                                           |

### IMAGES



Structure  
BCPyr, CAS 2669844-82-8



Structure  
BCPyr, CAS 2669844-82-8

### ADDITIONAL INFORMATION

|                                                    |                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for CEM114 biochemical | CEM114 is an effective chemical epigenetic modifier (CEM) that recruits endogenous chromatin machinery through CRISPR-Cas9 systems.       |
| References                                         | 1. Schiemer J, et al. Snapshots and ensembles of BTK and cIAP1 protein degrader ternary complexes. Nat Chem Biol. 2021 Feb;17(2):152-160. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.