

**Product Name:** MS 154N

**Catalog No.:** 7396

**Batch No.:** 1

CAS Number: 2675490-97-6

IUPAC Name: 3-(4-(3-((4-((3-Chloro-4-fluorophenyl)amino)-7-methoxyquinazolin-6-yl)oxy)propyl)piperazin-1-yl)-N-(8-((2-(1-methyl-2,6-dioxopiperidin-3-yl)-1,3-dioxoisindolin-4-yl)oxy)octyl)propanamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>47</sub>H<sub>56</sub>ClFN<sub>8</sub>O<sub>8</sub>·½H<sub>2</sub>O

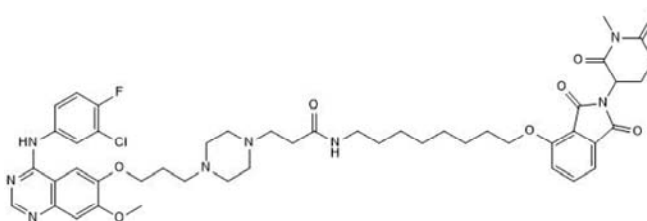
**Batch Molecular Weight:** 924.47

**Physical Appearance:** White solid

**Solubility:** DMSO to 100 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.3% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	61.06	6.22	12.12
Found	60.69	6.21	11.93

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**Description:**

MS 154N is a negative control for MS 154 (Cat No. 7395). The compound exhibits high binding-affinity for WT and L858R-mutant EGFR ( $K_d$  values are 3 and 4.3 nM, respectively), but does not significantly induce degradation of EGFR mutants.

**Physical and Chemical Properties:**

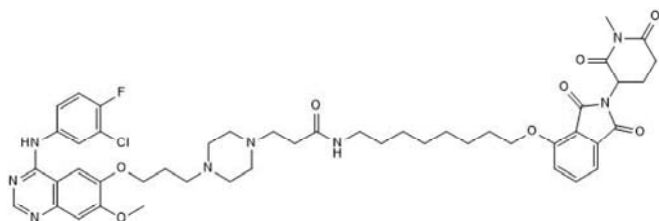
Batch Molecular Formula:  $C_{47}H_{56}ClFN_8O_8 \cdot \frac{1}{2}H_2O$

Batch Molecular Weight: 924.47

Physical Appearance: White solid

**Minimum Purity:**  $\geq 98\%$

**Batch Molecular Structure:**



**Storage:** Store at  $-20^{\circ}C$

**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  $45-60^{\circ}C$  water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**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  $-20^{\circ}C$  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 Icahn School of Medicine at Mount Sinai.

**References:**

**Cheng et al** (2020) Discovery of potent and selective epidermal growth factor receptor (EGFR) bifunctional small-molecule degraders. *J. Med. Chem.* **63** 1216. PMID: 31895569.

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