



**Product Name:** rac-CCT 250863

**Catalog No.:** 4546

**Batch No.:** 1

CAS Number: 1364269-06-6

IUPAC Name: 4-[2-Amino-5-[4-[(dimethylamino)methyl]-2-thienyl]-3-pyridinyl]-2-[[[(2Z)-4,4,4-trifluoro-1-methyl-2-buten-1-yl]oxy]benzamide

**Description:**

Potent Nek2 inhibitor (IC<sub>50</sub> = 73 nM). Exhibits selectivity for Nek2 over PLK1, MPS1, Cdk2 and Aurora A.

**Physical and Chemical Properties:**

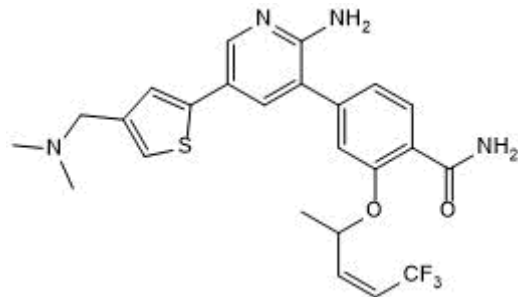
Batch Molecular Formula: C<sub>24</sub>H<sub>25</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub>S.1½H<sub>2</sub>O

Batch Molecular Weight: 517.56

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

1eq. HCl to 100 mM

DMSO to 100 mM

ethanol to 20 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. 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°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Innocenti et al** (2012) Design of potent and selective hybrid inhibitors of the mitotic kinase Nek2: structure-activity relationship, structural biology, and cellular activity. *J.Med.Chem.* **55** 3228. PMID: 22404346 .

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

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