Product Name: CHDI 113
Catalog No.: 8063
Batch No.: 1
CAS Number: 2743336-70-9
IUPAC Name: 5-[(3R)-3-(Cyclopropylamino)-1-pyrrolidinyl]-N-(8-fluoro-2-methylimidazo[1,2-a]pyridin-6-yl)-2-pyrazinecarboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES
   Batch Molecular Formula: C_{20}H_{22}F_{7}N_{7}O
   Batch Molecular Weight: 395.44
   Physical Appearance: Beige solid
   Solubility: DMSO to 100 mM
   Storage: Store at -20°C
   Batch Molecular Structure:

2. ANALYTICAL DATA
   HPLC: Shows 99.2% purity
   Chiral HPLC: Shows 99.8% purity
   ¹H NMR: Consistent with structure
   Mass Spectrum: Consistent with structure
   Microanalysis: Carbon Hydrogen Nitrogen
   Theoretical 60.75 5.61 24.79
   Found 60.49 5.64 24.6
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Description:
CHDI 113 is a potent huntingtin (HTT) pre-mRNA splicing modulator (EC\textsubscript{50} = 66 nM). It lowers HTT protein in both human Huntington's disease (HD) stem cells and in the brain of BACHD (bacterial artificial chromosome-mediated transgenic) mouse model. CHDI 113 is brain penetrant and orally bioavailable.

Physical and Chemical Properties:
Batch Molecular Formula: C\textsubscript{20}H\textsubscript{22}FN\textsubscript{3}O  
Batch Molecular Weight: 395.44  
Physical Appearance: Beige solid  
Minimum Purity: \textgeq 98%

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 CHDI Foundation

References:  