

Product Name: ABX 464

Catalog No.: 6460

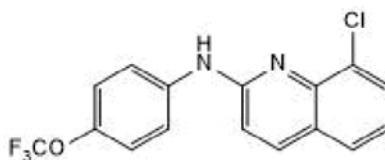
Batch No.: 1

CAS Number: 1258453-75-6

IUPAC Name: 8-Chloro-*N*-[4-(trifluoromethoxy)phenyl]-2-quinolinamine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₆H₁₀ClF₃N₂O
Batch Molecular Weight: 338.71
Physical Appearance: Brown solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.4% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	56.74	2.98	8.27
Found	56.73	2.88	8.12

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

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Description:

ABX 464 is an HIV RNA splicing modulator; it selectively enhances the splicing of HIV RNA in infected human PBMCs and inhibits viral replication, with no global effect on cellular splicing. ABX 464 inhibits replication of HIV strains harboring mutations associated with drug-resistance. ABX 464 binds the cap binding complex (CBC) and upregulates miR-124 expression in vitro and decreases expression of miR-124 target genes, MCP-1, CXCL-1, SERPIN-E1 in macrophages. It also decreases the number of Th17 cells, as well as IL-6 soluble receptor in CD4+ T cells. In HIV infected humanized mice, treatment with ABX 464 reduces viral load. Anti-inflammatory... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

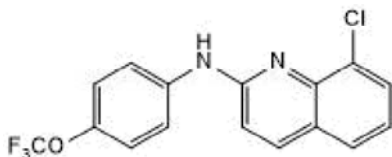
Batch Molecular Formula: C₁₆H₁₀ClF₃N₂O

Batch Molecular Weight: 338.71

Physical Appearance: Brown solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

Vautrin et al (2018) Both anti-inflammatory and antiviral properties of novel drug candidate ABX464 are mediated by modulation of RNA splicing. *Sci.Rep.* **9** 792. PMID: 30692590.

Campos et al (2015) Long lasting control of viral rebound with a new drug ABX464 targeting Rev-mediated viral RNA biogenesis. *Retrovirology* **12** 30. PMID: 25889234.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

ethanol 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. 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.

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