

Product Name: MYX 1715

Catalog No.: 8109

Batch No.: 1

IUPAC Name: 4-[2-[2-[3-(2-Aminoethyl)imidazo[1,2-a]pyridin-6-yl]-5-chlorophenoxy]ethyl]-*N,N*,1,5-tetramethyl-1*H*-pyrazole-3-carboxamide dihydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₅H₂₉ClN₆O₂·2HCl·2¼H₂O

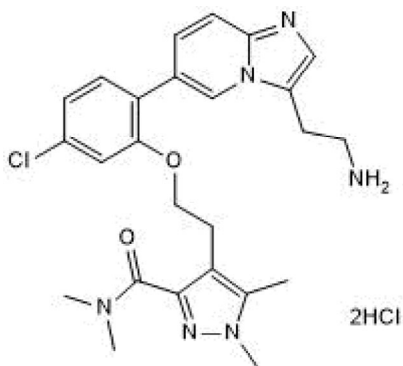
Batch Molecular Weight: 594.44

Physical Appearance: Off White solid

Solubility: DMSO to 100 mM
water to 100 mM

Storage: Store at -20°C

Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 98.4% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen	Chlorine
Theoretical	50.51	6.02	14.14	17.89
Found	49.62	5.98	13.74	17.78

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Description:

MYX 1715 is a N-myristoyltransferase inhibitor (NMT). MYX 1715 selectively kills senescent cancer cells in mice models of paediatric pituitary tumours and liver cancer and eliminates the tumour growth conferred by co-injected senescent cells in a xenograft cancer mice model. It reduces fibrosis in a model of idiopathic pulmonary fibrosis (IPF) and decreases inflammation, steatosis and liver fibrosis in a non-alcoholic steatohepatitis (NASH) mice model.

Physical and Chemical Properties:

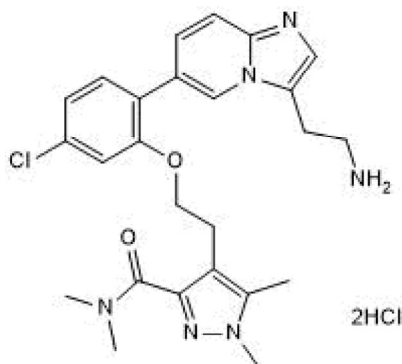
Batch Molecular Formula: C₂₅H₂₉ClN₆O₂.2HCl.2¼H₂O

Batch Molecular Weight: 594.44

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



References:

McHugh et al (2023) COPI vesicle formation and N-myristoylation are targetable vulnerabilities of senescent cells. *Nat.Cell Biol.* **25** 1804. PMID: 38012402.

Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

water 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.

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