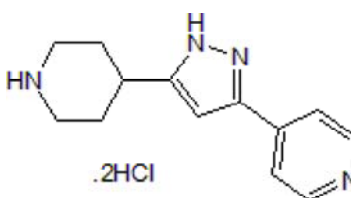


Product Name: ETP 45835 dihydrochloride
CAS Number: 2136571-30-5
IUPAC Name: 4-[5-(4-Piperidinyl)-1H-pyrazol-3-yl]pyridine dihydrochloride

Catalog No.: 5183 **Batch No.:** 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₃H₁₆N₄.2HCl.¼H₂O
Batch Molecular Weight: 305.71
Physical Appearance: Pale yellow solid
Solubility: water to 100 mM
Storage: Desiccate at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.15 (20% MeOH in DCM with 0.2% NH₃)
HPLC: Shows 99.9% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	51.07	6.1	18.33
Found	51.21	6.07	18.39

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

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Description:

ETP 45835 dihydrochloride is a Mnk2 and Mnk1 inhibitor (IC₅₀ values are 575 and 646 nM respectively). Exhibits selectivity against a panel of 24 protein kinases, including those upstream of Mnk1/2.

Physical and Chemical Properties:

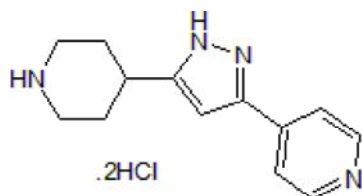
Batch Molecular Formula: C₁₃H₁₆N₄.2HCl.¼H₂O

Batch Molecular Weight: 305.71

Physical Appearance: Pale yellow solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

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. 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:

Oyarzabal et al (2010) Discovery of mitogen-activated protein kinase-interacting kinase 1 inhibitors by a comprehensive fragment-oriented virtual screening approach. *J.Med.Chem.* **53** 6618. PMID: 20722422.

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