

**Product Name:** Squarunkin A hydrochloride

**Catalog No.:** 6364

**Batch No.:** 2

CAS Number: 2253744-55-5

IUPAC Name: Ethyl 4-((3,4-dioxo-2-((2-(4-(3-(trifluoromethyl)phenyl)piperazin-1-yl)ethyl)amino)cyclobut-1-en-1-yl)amino)piperidine-1-carboxylate hydrochloride

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>25</sub>H<sub>32</sub>F<sub>3</sub>N<sub>5</sub>O<sub>4</sub>.HCl.½H<sub>2</sub>O

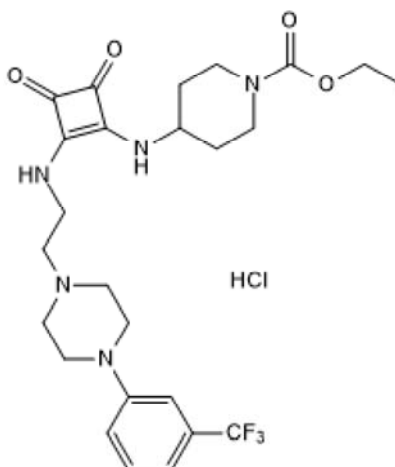
**Batch Molecular Weight:** 569.02

**Physical Appearance:** White solid

**Solubility:** DMSO to 50 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.7% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	52.77	6.02	12.31
Found	52.72	6	12.29

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

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**Description:**

Squarunkin A hydrochloride is a potent inhibitor of UNC119 chaperone protein-cargo interaction (IC<sub>50</sub> = 10 nM for inhibition of UNC119A - myristoylated Src N-terminal peptide interaction). Disrupts activation of Src kinase in vitro.

**Physical and Chemical Properties:**

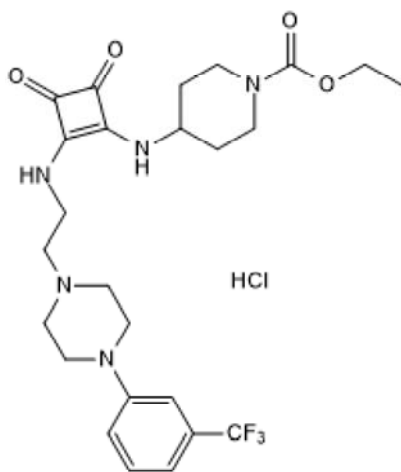
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Batch Molecular Weight: 569.02

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 50 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:**

Mejuch *et al* (2017) Small-molecule inhibition of the UNC119-cargo interaction. *Angew.Chem.Int.Ed.* **56** 6181. PMID: 28471079.

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