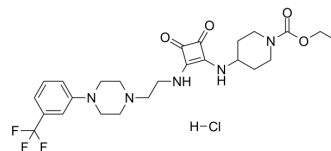


Squarunkin A hydrochloride

Cat. No.:	HY-127002A
CAS No.:	2253744-55-5
Molecular Formula:	C ₂₅ H ₃₃ ClF ₃ N ₅ O ₄
Molecular Weight:	560.01
Target:	Src
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Squarunkin A hydrochloride is a potent and selective UNC119-cargo interaction inhibitor (IC ₅₀ of 10 nM for inhibiting the UNC119A-myristoylated Src N-terminal peptide interaction). Squarunkin A hydrochloride interferes with the activation of Src kinase in cells ^[1] .
IC₅₀ & Target	IC ₅₀ : 10 nM (UNC119A-myristoylated Src N-terminal peptide interaction) ^[1]
In Vitro	Squarunkin A (2.5 μM, 0.625 μM, 0.078 μM, and 0.01 μM) treatment leads to a concentration-dependent reduction of Src phosphorylation ^[1] . Squarunkin A does not target the lipoprotein-binding sites of other lipoprotein chaperones, such as PDE6d, AIPL1, and RhoGDI, which bind S-prenylated proteins. Squarunkin A binds to UNC119 in cell lysate and interferes with Src activation ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tom Mejuch, et al. Small-Molecule Inhibition of the UNC119-Cargo Interaction. *Angew Chem Int Ed Engl.* 2017 May 22;56(22):6181-6186.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA