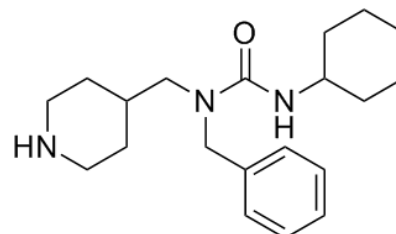


Product Name : SRI-011381 hydrochloride
Cat. No. : PC-42107
CAS No. : 2070014-88-7
Molecular Formula : C₂₀H₃₂ClN₃O
Molecular Weight : 365.9406
Target : TGFβ-Smad
Solubility : 10 mM in DMSO

Ryan T Vest, et al. *Proc Natl Acad Sci U S A.* 2022 Mar 15;119(11):e2121609119.



H-Cl

Biological Activity

SRI-011381 (C381) hydrochloride is a first-in-class, CNS bioactive compound capable of restoring lysosomal function with prominent antiinflammatory and neuroprotective activities.

C381 physically targets the lysosome, promotes lysosomal acidification, increases breakdown of lysosomal cargo, and improves lysosome resilience to damage.

C381 has the potential both as a therapeutic and as a research compound to better understand lysosomal contributions to disease progression.

C381 is an orally bioavailable and brain penetrant **Smad** activator found in phenotypic screen.

References

