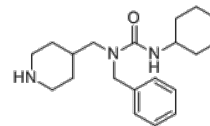


**Product Name** : C381  
**Cat. No.** : PC-72935  
**CAS No.** : 1629138-41-5  
**Molecular Formula** : C<sub>20</sub>H<sub>31</sub>N<sub>3</sub>O  
**Molecular Weight** : 329.488  
**Target** : TGFβ-Smad  
**Solubility** : 10 mM in DMSO



### Biological Activity

C381 (SRI011381) 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

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

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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