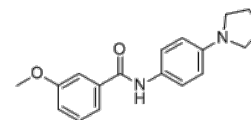


**Product Name** : SBI-183  
**Cat. No.** : PC-38165  
**CAS No.** : 625403-59-0  
**Molecular Formula** : C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 296.37  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

SBI-183 is a small molecule that binds to and inhibits the enzymatic activity of Quiescin sulfhydryl oxidase 1 (**QSOX1**, K<sub>d</sub>=20 uM).

SBI-183 inhibits proliferation of tumor cells, but does not kill fibroblasts or rapidly proliferating PBMC, inhibits viability of 786-O, RCJ-41T2, and MDA-MB-231 with IC<sub>50</sub> of 4.6 μM, 3.9 μM, and 2.4 μM respectively.

Oral administration of SBI-183 inhibits tumor growth in 2 independent human xenograft mouse models of renal cell carcinoma.

## References

Paul D Hanavan, et al. *Oncotarget*. 2015 Jul 30;6(21):18418-28.

Amber L Fifield, et al. *Mol Cancer Ther*. 2020 Jan;19(1):112-122.

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

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