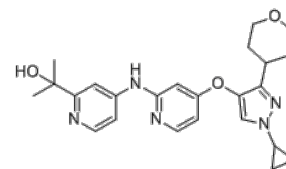


**Product Name** : LY3200882  
**Cat. No.** : PC-63129  
**CAS No.** : 1898283-02-7  
**Molecular Formula** : C<sub>24</sub>H<sub>29</sub>N<sub>5</sub>O<sub>3</sub>  
**Molecular Weight** : 435.528  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : 10 mM in DMSO



### Biological Activity

LY3200882 (LY-3200882) is a novel potent, highly selective, ATP competitive TGF- $\beta$  receptor type 1 (**TGF $\beta$ RI, ALK5**) inhibitor with IC<sub>50</sub> of 38.2 nM.

LY3200882 potently inhibits TGF $\beta$  mediated SMAD phosphorylation in vitro in tumor and immune cells and in vivo in subcutaneous tumors.

LY3200882 shows potent anti-tumor activity in the orthotopic 4T1-LP model of triple negative breast cancer and this activity correlated with enhanced tumor infiltrating lymphocytes in the tumor microenvironment.

### References

Huaxing Pei, et al. Abstract 955: LY3200882, a novel, highly selective TGF $\beta$ RI small molecule inhibitor. **AACR**. DOI: 10.1158/1538-7445.

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

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