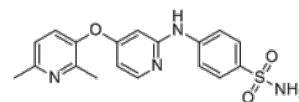


**Product Name** : AZ12799734  
**Cat. No.** : PC-35812  
**CAS No.** : 1117684-36-2  
**Molecular Formula** : C<sub>18</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 370.427  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

AZ12799734 (AZ-12799734) is a pan **BMP/TGFβ** inhibitor that potently inhibits ligand activated SMAD3/4 transcription with IC<sub>50</sub> of 47 nM.

AZ12799734 inhibits receptor-mediated phosphorylation of SMAD1 by ALK1, BMPR1A and BMPR1B and phosphorylation of SMAD2 by ALK4, TGFBR1 and ALK7; inhibits TGFβ-induced migration in HaCaT cells.

## References

Spender LC, et al. *Mol Pharmacol*. 2018 Nov 20. pii: mol.118.112946. doi: 10.1124/mol.118.112946.

Goldberg FW, et al. *J Med Chem*. 2009 Dec 10;52(23):7901-5.

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

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