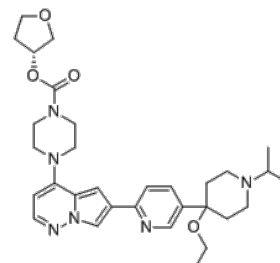


**Product Name** : BLU-782  
**Cat. No.** : PC-35519  
**CAS No.** : 2141955-96-4  
**Molecular Formula** : C<sub>31</sub>H<sub>42</sub>N<sub>6</sub>O<sub>4</sub>  
**Molecular Weight** : 562.715  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Fidrisertib (BLU-782) is a potent, selective inhibitor of **ALK2** (ACVR1) mutant R206H with IC<sub>50</sub> of <10 nM. BLU-782 is selective for ALK2R206H over other BMP Type I ALK family receptors. BLU-782 prevents injury-induced heterotopic ossification (HO) in an ALK2 R206H transgenic mouse model of FOP. BLU-782 is an investigational ALK2 inhibitor in development for fibrodysplasia ossificans progressiva (FOP).

## References

PCT Int. Appl. (2017), WO 2017181117 A1 20171019.

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

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