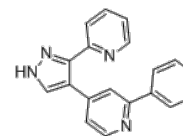


**Product Name** : GW-6604  
**Cat. No.** : PC-70053  
**CAS No.** : 452342-37-9  
**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>N<sub>4</sub>  
**Molecular Weight** : 298.34  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

GW-6604 (GW6604) is a TGF-beta signaling pathway inhibitor that targets **ALK5**, inhibits autophosphorylation of ALK5 with an IC<sub>50</sub> of 140 nM in vitro and inhibits TGF-beta-induced transcription of PAI-1 (IC<sub>50</sub>=500 nM) in a cellular assay. GW-6604 increases liver regeneration in TGF-beta-overexpressing mice at 40 mg kg<sup>-1</sup> p.o.

## References

- de Gouville AC, et al. *Br J Pharmacol.* 2005 May;145(2):166-77.  
de Gouville AC, et al. *Drug News Perspect.* 2006 Mar;19(2):85-90.

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

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