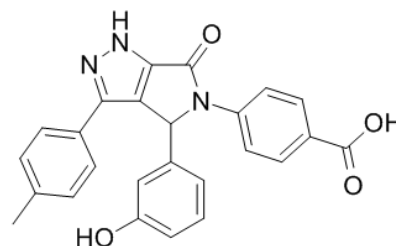


**Product Name** : CID16020046  
**Cat. No.** : PC-45043  
**CAS No.** : 834903-43-4  
**Molecular Formula** : C<sub>25</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>  
**Molecular Weight** : 425.4361  
**Target** : GPR55  
**Solubility** : DMSO: ≥ 28 mg/mL



### Biological Activity

CID16020046 is a potent and selective **GPR55** antagonist with IC<sub>50</sub> of 0.15 μM.

CID16020046 significantly inhibits the LPI-induced ERK1/2 phosphorylation in HEK-GPR55 cells at 2.5 μM, concentration dependently inhibits LPI-induced activation of NFAT, NF-κB and serum response element, translocation of NFAT and NF-κB, and GPR55 internalization.

CID16020046 reduces LPI-induced wound healing in primary human lung microvascular endothelial cells and reverses LPI-inhibited platelet aggregation.

### References

Kargl J, et al. *J Pharmacol Exp Ther*. 2013 Jul;346(1):54-66.

Kargl J, et al. *Br J Pharmacol*. 2016 Jan;173(1):142-54.

Montecucco F, et al. *Thromb Haemost*. 2016 Oct 28;116(5):987-997.

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

E-mail: tech@probechem.com