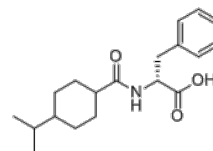


**Product Name** : Nateglinide  
**Cat. No.** : PC-20822  
**CAS No.** : 105816-04-4  
**Molecular Formula** : C<sub>19</sub>H<sub>27</sub>NO<sub>3</sub>  
**Molecular Weight** : 317.43  
**Target** : Dipeptidyl Peptidase (DPP)  
**Solubility** : 10 mM in DMSO



CAS: 105816-04-4

## Biological Activity

Nateglinide (Senaglinide, DJN-608, A-4166) is an oral hypoglycaemic agent and non-sulphonylurea insulin secretagogue and DPP IV inhibitor, also is a MRGPRX4 agonist.

Nateglinide (Senaglinide, DJN-608, A-4166) stimulated insulin secretion from rat freshly isolated pancreatic islets at concentrations from 3-300 uM in the presence of 2.8 uM glucose.

Nateglinide (Senaglinide, DJN-608, A-4166) displaced [3H]-glibenclamide bound to intact HIT-T15 cells in a concentration-dependent manner with K<sub>i</sub> of 434 nM.

Nateglinide (Senaglinide, DJN-608, A-4166) (1-10 mg/kg, oral) showed a dose-dependent hypoglycaemic effect in fasted beagle dogs.

## References

Shinkai H, et al. J Med Chem. 1989 Jul;32(7):1436-41.

Ikenoue T, et al. Br J Pharmacol. 1997 Jan;120(1):137-45.

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

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