
Dipeptidyl Peptidase-4 (DPP4) Library from OTAVA

Screening compounds for **type 2 diabetes treatment**

OTAVA offers you our **DPP4 Targeted Library (740 compounds in total)** which contains compounds with predicted DPP4 inhibiting activity. The library has been carefully designed with combined approach that included application of two independent pharmacophore models and molecular docking. The first model was based on superposition of seven crystals (complexes of dipeptidyl peptidase-4 with inhibitors). The second one was a 3D-pharmacophore model developed with employing a training set of known DPP4 inhibitors taken from ChEMBL database. Overlapping top-scored compounds resulted from application of both models were further docked in crystal structure of human DPP4 (PDB ID: 1X70). Final selection of compounds has been made with docking score cut-off filtering, inspection of intermolecular hydrophobic contacts and hydrogen bonds with key active sites residues.

This library comprises **drug-like compounds only**.

[Find out more...](#)

**All compounds are in stock.
The library is for prompt delivery, cherry-picking is available.**

Feel free to contact me if you are interested to obtain this library or if you need more information.

I am looking forward to your reply.

Best regards,

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