

## New DNMT1 and DNMT3b target-focused libraries from Otava

### Screening compounds for epigenetic drug discovery

As a Director of Otava Ltd. I would like to offer you two new [DNA methyl-transferase receptor-based target-focused libraries](#) which are targeted towards DNMT1 and DNMT3b in such a way to minimize cross-reactivity between these two proteins.

Virtual screening against DNMT3b and DNMT1 structures was validated with a **reference set of known DNMT inhibitors** obtained from ChEMBLDB. Final selection of compounds has been made with inspection of active site's critical structural determinants for ligand binding, docking score cut-off filtering, intermolecular hydrogen bonds with crucial active site's residues taken from literature reviews and exclusion of predicted DNMT1 and DNMT3b cross-binders. Also, a 3D pharmacophore model consisted of two hydrogen bond donors, two hydrogen bond acceptors and a hydrophobic region has been applied during the selection.

Target-focused library	No. of compounds
DNA methyl-transferase DNMT1	503
DNA methyl-transferase DNMT3b	1320

These libraries provide an excellent basis for development of a novel cancer therapeutics. Both libraries comprise **drug-like compounds only**.

[Find out more...](#)

Our price is **ONLY \$7.7** per 1mg (if more than 1,000 compounds are ordered)

#### Example price list in USD:

Num. of compounds ordered	1-20	21-50	51-100	101-500	501-1000	more than 1000
Price for 1mg	\$32.0	\$25.0	\$19.0	\$13.9	\$9.8	\$7.7

All compounds are in stock.

The libraries are for prompt delivery, cherry-picking is available.

Feel free to contact me if you are interested to obtain these libraries or if you need more information. I am looking forward to your reply.

Best regards,  
**Andriy Dmytrenko, MBA**  
Director of Business Development and Marketing

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