



Universiteit  
Leiden  
The Netherlands

## Small molecule inhibitors of Nicotinamide N-Methyltransferase (NNMT)

Gao, Y.

### Citation

Gao, Y. (2021, September 29). *Small molecule inhibitors of Nicotinamide N-Methyltransferase (NNMT)*. Retrieved from <https://hdl.handle.net/1887/3213827>

Version: Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/3213827>

**Note:** To cite this publication please use the final published version (if applicable).

## **Addendum**

---

List of Abbreviations

Samenvatting

*Curriculum vitae*

List of publications

## List of Abbreviations

ABPP, activity-based protein profiling;

$\alpha$ CA, alpha-chloroacetamide;

Boc, *tert*-Butyloxycarbonyl;

BOP, benzotriazol-1-yloxytris(dimethylamino)phosphonium hexafluorophosphate;

BPO, benzoyl peroxide;

DCE, 1,2-dichloroethane;

DIBAL-H, diisobutylaluminium hydride;

DNMT1, DNA (cytosine-5)-*N*-methyltransferase 1;

DOT1L, disruptor of telomeric silencing 1-like;

EWG, electron- withdrawing;

FEP, free energy perturbation;

FP, fluorescence polarization;

hNNMT, human NNMT;

IC<sub>50</sub>, half-maximal inhibitory concentration;

ITC, isothermal titration calorimetry;

*K<sub>d</sub>*, dissociation constant;

MLL1, mixed-lineage leukemia 1;

MNA, 1-methyl-nicotinamide;

NA, nicotinamide;

NMO, *N*-Methylmorpholine *N*-oxide;

NNMT, nicotinamide *N*-methyltransferase;

NNMTwt, wild-type NNMT;

PAMPA, parallel artificial membrane permeability assay;

PDC, pyridinium dichromate;

PNMT, phenylethanolamine *N*-methyltransferase;

PRMT, protein arginine *N*-methyltransferase ;

RBF, round-bottom flask;

SAH, S-adenosyl-L-homocysteine;

SAM, S-adenosyl-L-methionine;

SAR, structure–activity relationship;

SETDB1, SET domain bifurcated 1;

SETD2, SET domain-containing 2;

SMYD2, SET and MYND domain containing protein 2;

SF, sulfonyl fluoride;

Trt, triphenylmethyl (trityl);

UHP-HILIC, ultra-high-performance hydrophilic liquid interaction chromatography;

YD, Yuanhuadine;