

## ABBREVIATIONS

$\mu\text{g}$	micro gram
$\mu\text{L}$	micro liter
$\mu\text{M}$	micro molar
$^{\circ}\text{C}$	Degree Celsius
$\text{Ac}_2\text{O}$	Acetic anhydride
$\text{AcOH}$	Acetic acid
$\text{Br}_2$	Bromine
$\text{CDCl}_3$	Deutarated chloroform
$\text{CH}_3\text{COONa}$	Sodium acetate
DM	Diabetes Mellitus
DMAP	4-dimethylaminopyridine
DMF	N, N-dimethyl formamide
DMSO	Dimethylsulfoxide
$\text{DMSO-d}_6$	Deutarated Dimethylsulfoxide
EDCI	1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride
ESI-MS	Electron Spray Ionization Mass Spectrometry
EtOH	Ethyl alcohol, Ethanol
g	gram
h	hour
hz	Hertz

H <sub>2</sub> SO <sub>4</sub>	Sulphuric acid
HCl	Hydrochloric acid
HOBt	1-Hydroxybenzotriazole
I <sub>2</sub>	Iodine
IC <sub>50</sub>	50% Inhibitory Concentration
FTIR	Fourier Transform Infrared Spectrometry
KBr	Potassium bromide
kcal	kilo calorie
K <sub>2</sub> CO <sub>3</sub>	Potassium carbonate
KOH	Potassium hydroxide
LiOH	Lithium hydroxide
Lit.	Literature
MeOH	Methyl alcohol, Methanol
MHz	Mega Hertz
min	minute
mL	milliliter
mmol	millimole
m.p.	melting point
MS	Mass Spectrometry
NaOH	Sodium hydroxide
NMR	Nuclear Magnetic Resonance

PDB ID	Protein Data Bank ID
T2D	Type 2 Diabetes
TEA	Triethylamine
TFA	Trifluoroacetic acid
TFAA	Trifluoroacetic anhydride
THF	Tetrahydrofuran
TLC	Thin Layer Chromatography