

## Acknowledgements

I would like to express my sincere gratitude to my research advisor Prof. David G. I. Kingston for his constant encouragement, support and guidance throughout the course of this work and my graduate studies at Virginia Tech. I am grateful for the opportunity I got to work with competent and helpful research associates in his laboratories.

I am highly indebted to members of my graduate committee members, Professors Neal Castagnoli Jr., James Tanko, Brian Hanson, and Paul Carlier for their valuable discussions and support. I also thank Prof. Paul Deck for volunteering to be on my committee during my oral presentation on a short notice.

I thank our collaborators Prof. James Snyder and his associates at Emory University for their valuable assistance in the chemical computations, docking experiments, and NAMFIS analysis, Prof. Susan Bane and her co-workers at State University of New York in Binghamton for the biological assays (tubulin-polymerization) of taxol analogs, and Prof. Jacob Schaefer and co-workers for undertaking challenge of running the extended REDOR NMR experiment on the tubulin-bound analog.

I would like to thank the Department of Chemistry for providing me with the opportunity to do my graduate studies and also the financial assistance provided in the form of a teaching assistantship. I also thank the National cancer Institute for financial support from a research assistantship.

The encouragement and support from previous and present members of Kingston's group is highly appreciated. Especially, I would like to thank Drs. Bing-Nan Zhou, Prakash Jagtap, Erkan Baloglu, Lakshman Samala, John Beck, John Berger, and Thota Ganesh.

I thank Dr. Benjamas Kutintara for her thoughtful discussions, support, love and friendship, I wish her a successful career as an outstanding researcher and instructor in her home country.

I have received many valuable suggestions and ideas from all the fellow graduate students in our group. I would like to especially thank Ms. Thitya Pung, Mr. Eba Adou, Mr. Changhui Liu and Mr. Russell Williams. I also extend my thanks to Mr. Emre Isin

for his good friendship and his valuable assistance in the molecular modeling experiments.

The assistance and friendship of my colleagues Ms. Jessica Sharp, Ms. Jeannine Hoch and Mrs. Jennifer Schilling from our in-house bioassay unit is highly appreciated.

Finally I extend my deepest gratitude to my family for their full support and love throughout my academic endeavors.

*Dedicated to my late sister Elleni*

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## List of Abbreviations

AM1	=	Austin Model 1
CAN	=	Ceric Ammonium Nitrate
CP	=	Cross Polarization
CSA	=	Chemical Shielding Anisotropy
DCC	=	Dicyclohexyl Carbodiimide
DMF	=	<i>N,N'</i> -Dimethylformamide
EDCI	=	1-[3-(Dimethylamino)propyl]-3-ethylcarbodiimide
FRET	=	Fluorescence Resonance Energy Transfer
PMP	=	<i>p</i> -Paramethoxyphenyl
LHMDS	=	Lithium hexamethyldisilazide
RCM	=	Ring-Closing Olefin Metathesis
TIPS	=	Triisopropylsilyl
ROESY	=	Rotating-frame Overhauser Enhancement Spectroscopy
GDP	=	Guanasine
TBS	=	<i>t</i> -Butyldimethylsilyl
Bn	=	Benzyl
Tf	=	Triflate
PMB	=	<i>p</i> -Methoxybenzyl
PP	=	Pyrophosphate
Bz	=	Benzoyl
GTP	=	Guanasine triphosphate
MAP	=	Microtubule Associated Protein
PDB	=	Protein Data Bank
BOC	=	<i>t</i> -Butoxycarbonyl-
SAR	=	Structure Activity Relationships
His	=	Histidine
Asp	=	Asparagine
Thr	=	Threonine
Arg	=	Arginine
Ile	=	Isoleucine
Gln	=	Glycine
DMAP	=	4-Dimethylaminopyridine
PTLC	=	Preparative Thin Layer Chromatography
TLC	=	Thin Layer Chromatography
TES	=	Triethylsilyl
DMS	=	Dimethylsilyl
THF	=	Tetrahydrofuran
IC	=	Inhibition Concentration
GBSA	=	Generalized Born Surface Area
NAMFIS	=	NMR Analysis of Molecular Flexibility In Solution
Ala	=	Alanine
Phe	=	Phenylalanine
LAH	=	Lithium Aluminum Hydride
PDC	=	Pyridinium dichromate

HRFABMS	=	High Resolution Fast Atom Bombardment Mass Spectra
LRFABMS	=	Low Resolution Fast Atom Bombardment Mass Spectra
TMS	=	Trimethylsilyl
Im.	=	Imidazole
Cy	=	Cyclohexyl