

## CHO-450 Chemistry of Natural Products

Item Text	Option Text 1	Option Text 2	Option Text 3	Option Text 4
What is the "special isoprene rule"?	Terpenes contain "head-to-tail" connected isoprenes.	Terpenes contain "head-to-head" connected isoprenes	Terpenes contain "tail-to-tail" connected isoprenes.	Terpenes contain both head-to-head" as well as "tail-to-tail" connected isoprenes
DMAP (Dimethyl allyl PP) is also called as.....	LPP	GPP	IPP	NPP
Terpenoids which do not connect in "head-to-tail" are called as.....	Regular terpenoids	Irregular terpenoids	Hemiterpenes	Isoprene
How many isoprene units are there in a monoterpene?	One	Two	Three	Four
How many isoprene units are there in a squalene?	Five	Three	Six	Four
How many double bonds preset in the triterpene squalene?	Four	Two	Three	Six
Methyl ester of Hardwickiic acid contains.....methyl groups.	one	two	three	four
Presence of $\beta$ -substituted furan ring in Hardwickiic acid explain with help of ..... spectroscopy	HNMR	CNMR	MASS	UV
The sites of unsaturation in Hardwickiic acid is.....	four	seven	five	six
The biogenetic pathway for Hardwickiic acid start from.....	GPP (Geranyl diphosphate)	GGPP	FPP	GFPP (Geranyl farnesyl PP)

## CHO-450 Chemistry of Natural Products

Evidence for C-9 methyl group of Hardwickic acid was carried out by..... experiment.	hydrogenation	ozonolysis	aromatisation	halogenation
In Juvabione 7(S) – enantiomer is some times called .....	S- Juvabione	epijuvabione	R- Juvabione	threo- Juvabione
Pawson and cheung synthesized erythro – Juvabione from .....	cyclohexanone	terpenoid	alkaloid	limonine
The site of unsaturation in erythro-Juvabione is .....	3	5	4	6
The activity of Fredericamycin-A is .....	anti viral	anti-cancer	antibiotic	antiulcer
Fredericamycin-A was isolated from a strain of .....	Streptomyces griseus	yew tree	camptotheca	Hardwickia pinnata
Total synthesis of Fredericamycin-A was carried by .....	K Mori et al.	Lawson et al.	T. Ross Kelly et al.	K.C.Nicolan et al.
The structure of Fredericamycin-A contains .....	nitro	spiro	ester group	lactone ring
In the synthesis of Fredericamycin-A, the last step is .....	Birch reduction	Wittig reaction	Fries rearrangement	dehydration
In Fredericamycin-A ..... is used for isomerisation.	iodine	bromine	chlorine	fluorine