

Biochemistry Homework # 2

Student name University #

For any **secondary metabolite** you choose, collect information (use internet, books, journals) and fill the following table. (Secondary metabolites are biochemical compounds that are **not** directly involved in the normal growth, development, or reproduction of organisms. They are often restricted to a narrow set of species within a phylogenetic group).

1	Metabolite name (s)	
2	Group of metabolite and structure {e.g. Alkaloids (Atropine, Cocaine, Codeine, Morphine, nicotine), Terpenoids, Phenols (flavanoid, Resveratrol.....)}	
3	Name of the organism that produces this metabolite	
4	Physiological function of this metabolite in that organism	
5	Name of precursor (usually a primary metabolite)	
6	Summary of synthesis and metabolic pathway Number and name of the enzymes???	
7	Additional notes	
8	References	