

Table 3. Effects of protopine and allocryptopine on TAM metabolism

Compound	% Inhibition		
	4-OH TAM	<i>N</i> -desmethyl TAM	α -OH TAM
Protopine (10 μ M) ^a	63.4 \pm 7.7 ^b	15.8 \pm 1.3	12.4 \pm 6.3
Allocryptopine (10 μ M) ^a	57.9 \pm 4.3	16.8 \pm 2.8	< 10
Protopine+Allocryptopine ^c	32.1 \pm 6.3	< 10	< 10
FCPC Fraction 6 (50 μ g/ml)	62.1 \pm 3.0	76.5 \pm 3.0	72.8 \pm 1.1
Quinidine (1 μ M)	57.6 \pm 1.9	< 10	< 10

^aThis concentration is expected to abolish all CYP2D6 mediated metabolism of TAM

^bData represent average of triplicates \pm S.D.

^c Alkaloids were mixed in concentrations corresponding to those in FCPC Fraction 6. At 50 μ g/ml of Fraction 6, the concentrations of protopine and allocryptopine were 53 and 61 nM, respectively.