

Male SpragueDawley (SD) Rat Liver S9

Product Number	LS-DS-02M	Lot Number	YZCY
Gender	Male	Number of Animal in Pool	120
Date of Preparation	2021-12	Storage Condition	-70°C

(1) Specification

Protein Content (mg/mL)	20
Volume per vial (mL)	0.5
Amount of protein per vial (mg/vial)	10

(2) Enzyme Characterization

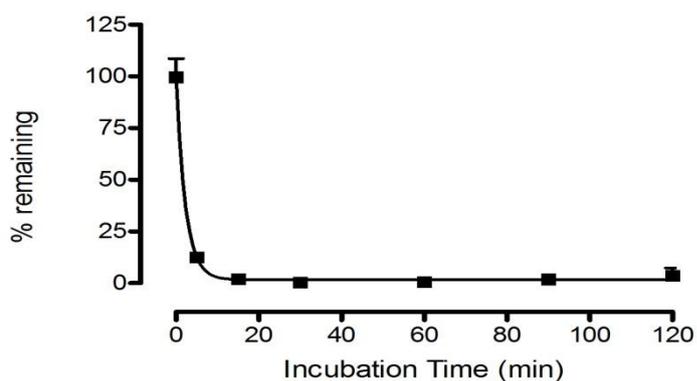
Phenotyping Reaction	Substrate	Enzyme activity (pmole/mg/min)	
	(μ M)	Mean	SD
Testosterone 6 β -hydroxylation	40	269	12.6
7-hydroxylation CoumarinGlucuronidation	30	1504	82.3

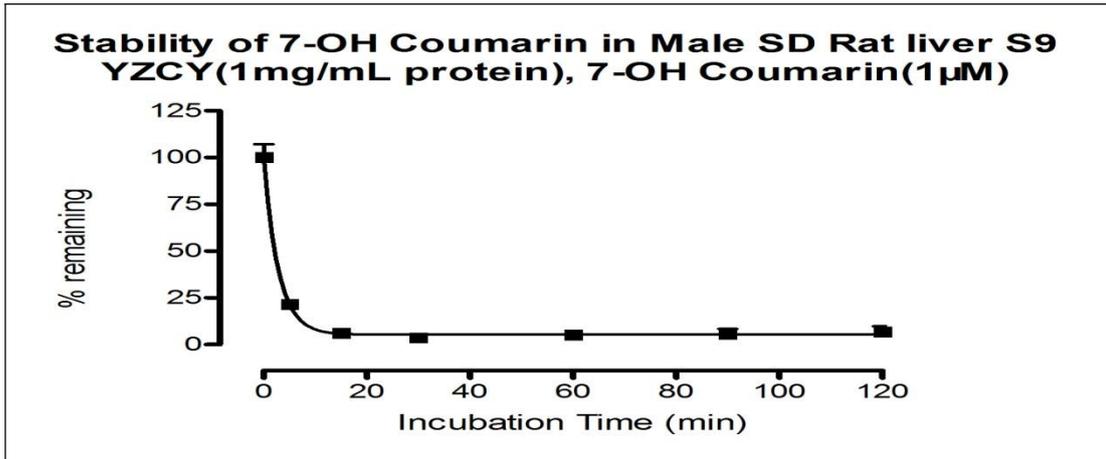
(3) *In vitro* intrinsic clearance

Probe Substrate	(μ M)	T _{1/2} (min)	Clint(μ L/min/mg protein)
Testosterone	1	3.95	175
7-hydroxylation Coumarin	1	3.91	177

(4) Figure

Stability of Testosterone in Male SD Rat liver S9 YZCY(1mg/mL protein), Testosterone(1 μ M)





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