

SUPPORTING INFORMATION

Figures

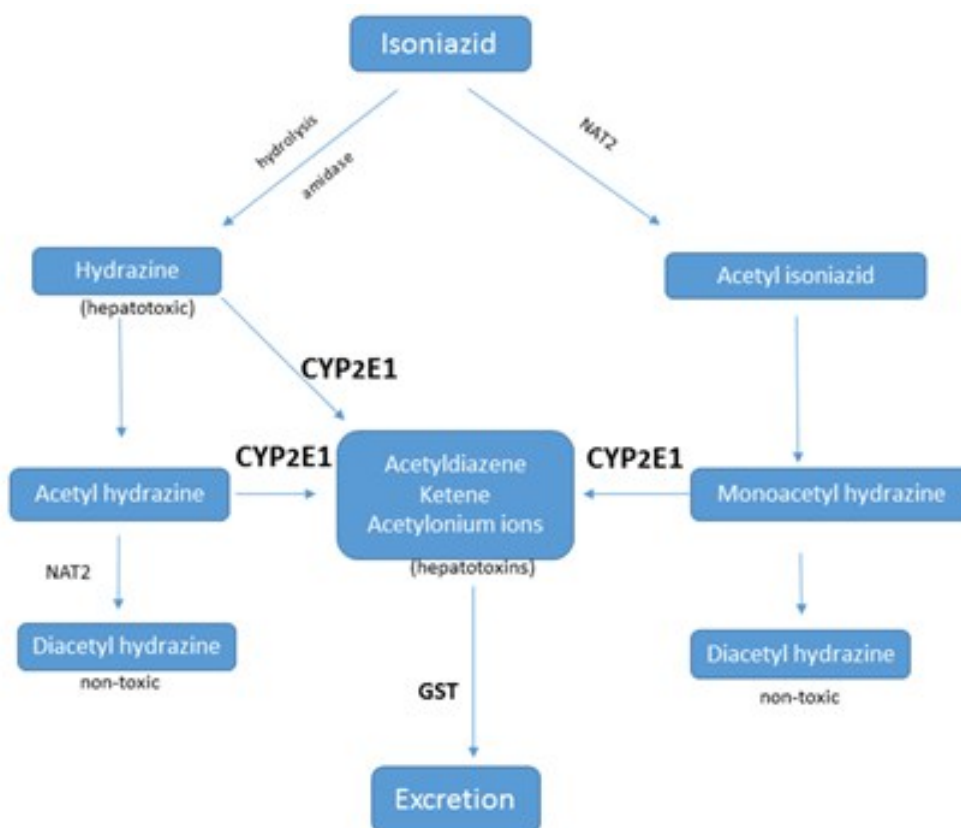


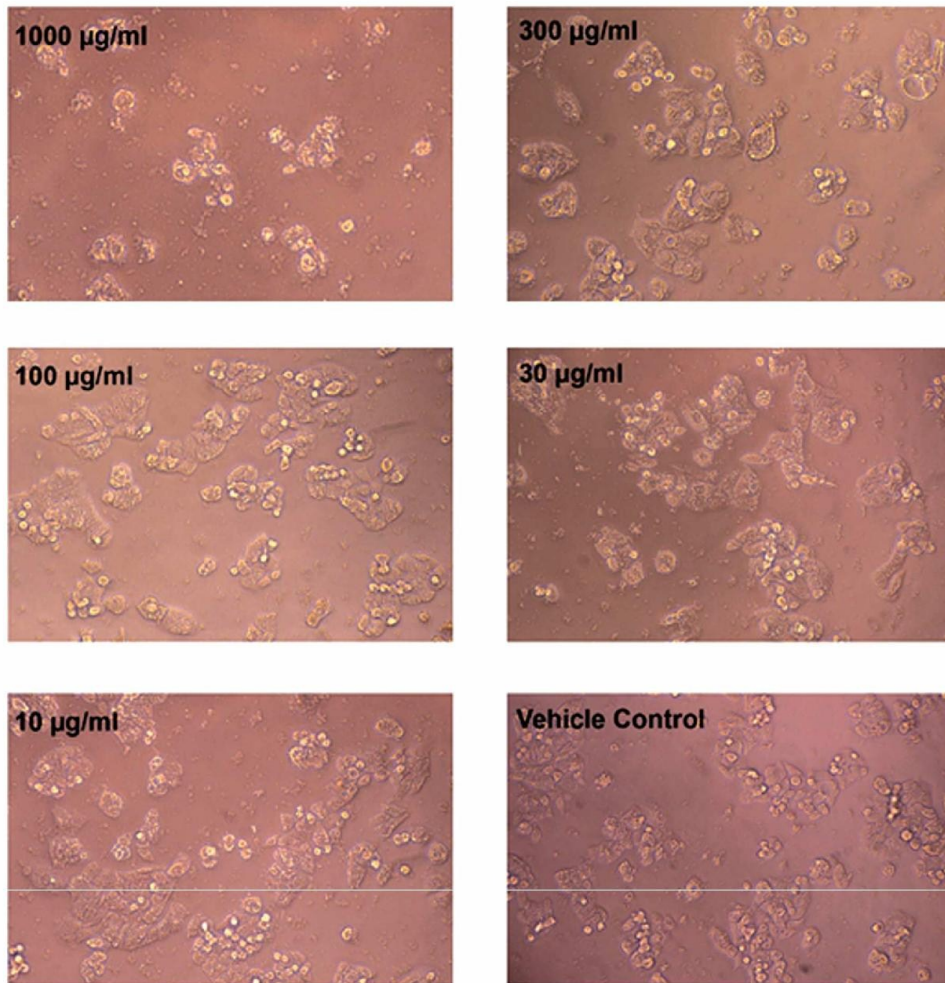
Figure : Suggested involvement of CYP2E1 in INH metabolism(23,24)  
Glutathione S transferase (GST), N-acetyl transferase 2(NAT2)

Figure S1. Suggested involvement of CYP2E1 in INH metabolism (23,24)

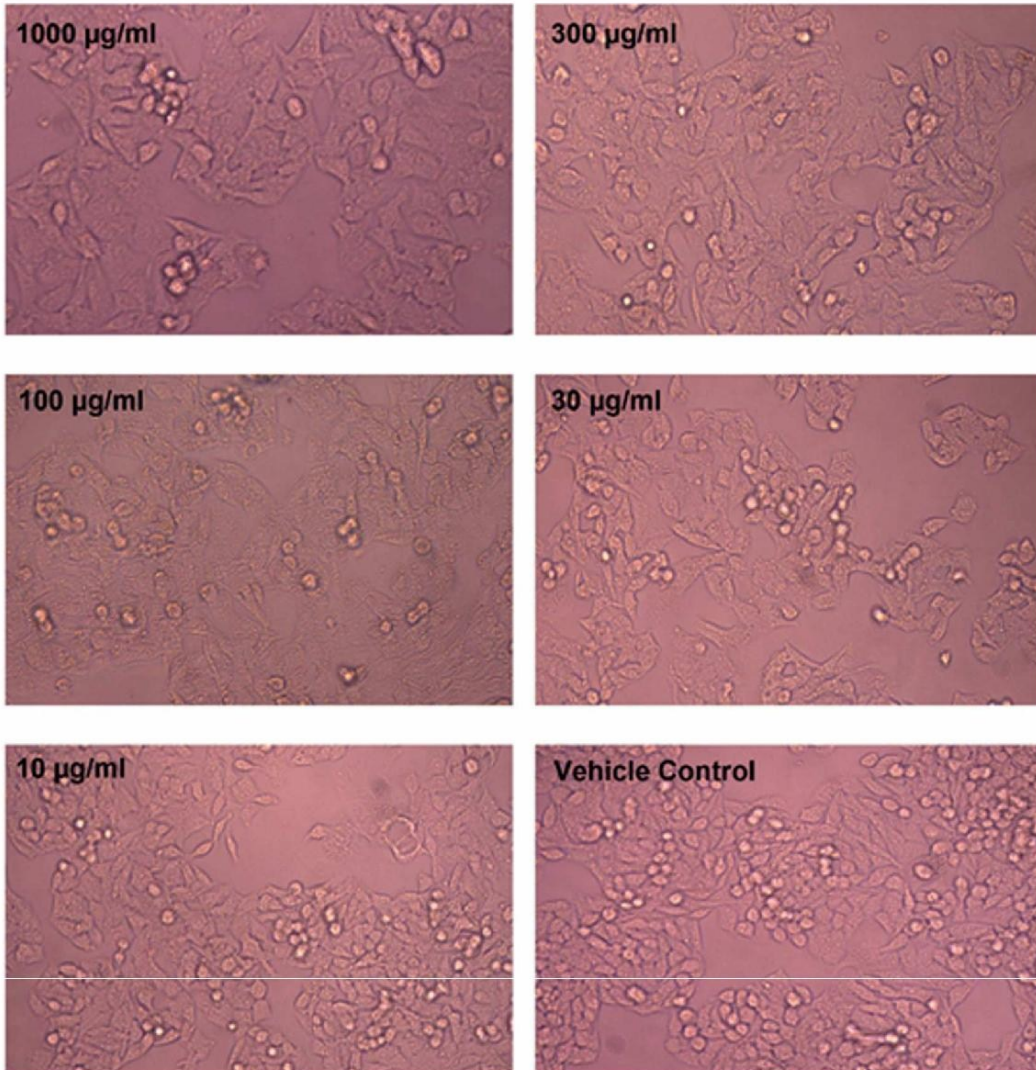
**Figure S2: Cytotoxic effect of INH and INH-CP in HepG2 cells.**

Morphological assessment of HepG2 cells exposed to different concentrations of INH and INH-CP for 48 hours. (magnification X200)

**Isoniazid treated HepG2 cells**



**INH-CP treated HepG2 cells**



## Tables

**Table ST1: Minimum Inhibitory concentrations (MICs) ( $\mu\text{g/ml}$ ) of INH, INH-CP and norbornene against H37Rv strain determined by absolute concentration method.**

Drug	MIC in ( $\mu\text{g/ml}$ )
Norbornene	25
Isoniazid	0.025
INH-CP	1

**Table ST2: Effect of isoniazid and isoniazid complexed nanocarrier system on behavioral activity of *Danio rerio***

Nature of behavior	Treatment concentration					
	INH					INH-CP
	Control	120Hr	96Hr	72 Hr	48Hr	7 days
	(96 hr)	25mg/L	50mg/L	75mg/L	100mg/L	150mg/L
Loss of equilibrium	-	+++	+++	+++	+++	-
Hyper excitability	-	+++	+++	+++	+++	-
Body pigmentation	-	-	-	-	-	-
Mucus secretion	-	+	+	+	+	-
Fast opercular movement	-	+	+	+	+	-
Mortality	-	+++	+++	+++	+++	-

–: None (or) Normal; +: Mild effect; ++: Moderate effect; +++: High effect