

The two primary bile acids, cholic acid and chenodeoxycholic acid, are oxidized from cholesterol in the liver. In the intestine, the primary bile acids are then dehydroxylated to the secondary bile acids; cholic acid to deoxycholic acid and chenodeoxycholic acid to lithocholic acid and ursodeoxycholic acid. The two primary and three secondary bile acids can also be converted to their glycine and taurine conjugates to increase water solubility. *IsoSciences* is proud to offer the full set of unlabeled and labeled bile acids.

By choosing Chenodeoxycholic Acid- $^{[2]H_9}$ (mw 401.5), Deoxycholic Acid- $^{[2]H_6}$ (mw 398.5) and Ursodeoxycholic Acid- $^{[2]H_4}$ (mw 396.5) one can differentiate the three bile acids even though the unlabelled standards all share the molecular weight of 392.5. This allows for clear determination and identification of each bile acid, as well as the glycine and taurine conjugates.

Primary Bile Acids

COMPOUND	CATALOG NUMBER	PRICE
Cholic Acid	13098UNL	\$50/50mg
Cholic Acid- $^{[2]H_4}$	13098	\$170/50mg
Chenodeoxycholic Acid	13101UNL	\$75/50mg
Chenodeoxycholic Acid- $^{[2]H_4}$	13101	\$205/50mg
Chenodeoxycholic Acid- $^{[2]H_9}$	13103	\$350/10mg

Secondary Bile Acids

COMPOUND	CATALOG NUMBER	PRICE
Deoxycholic Acid	13100UNL	\$50/50mg
Deoxycholic Acid- $^{[2]H_4}$	13100	\$120/10mg
Deoxycholic Acid- $^{[2]H_6}$	13227	\$325/10mg
Lithocholic Acid	13099UNL	\$50/50mg
Lithocholic Acid- $^{[2]H_4}$	13099	\$200/50mg
Ursodeoxycholic Acid	13102UNL	\$50/50mg
Ursodeoxycholic Acid- $^{[2]H_4}$	13102	\$265/50mg

Primary Bile Acids Conjugates

COMPOUND	CATALOG NUMBER	PRICE
Glycocholic Acid	13443UNL	\$50/50mg
Glycocholic Acid- $^{[2]H_4}$	13443	\$190/10mg
Taurocholic Acid Sodium Salt Hydrate	13232UNL	\$50/50mg
Taurocholic Acid- $^{[2]H_4}$ Sodium Salt	13232	\$490/10mg
Sodium Glycochenodeoxycholate	13104UNL	\$50/10mg
Glycochenodeoxycholic Acid- $^{[2]H_4}$	13104	\$190/10mg
Glycochenodeoxycholic Acid- $^{[2]H_9}$	13108	\$390/10mg
Sodium Taurochenodeoxycholate	13105UNL	\$100/50mg
Taurochenodeoxycholic Acid- $^{[2]H_4}$ Sodium Salt	13105	\$490/10mg
Taurochenodeoxycholic Acid- $^{[2]H_9}$ Sodium Salt	13107	\$490/5mg

Secondary Bile Acids Conjugates

COMPOUND	CATALOG NUMBER	PRICE
Sodium Glycodeoxycholate	13226UNL	\$50/50mg
Glycodeoxycholic Acid- $^{[2]H_4}$	13226	\$230/10mg
Glycodeoxycholic Acid- $^{[2]H_6}$	13229	\$370/10mg
Sodium Taurodeoxycholate Hydrate	13225UNL	\$50/50mg
Taurodeoxycholic Acid- $^{[2]H_4}$ Sodium Salt	13225	\$490/10mg
Taurodeoxycholic Acid- $^{[2]H_6}$ Sodium Salt	13228	\$490/5mg
Glycolithocholic Acid Sodium Salt	13231UNL	\$150/50mg
Glycolithocholic Acid- $^{[2]H_4}$	13231	\$240/10mg
Sodium Tauroolithocholate	13230UNL	\$50/50mg
Tauroolithocholic Acid- $^{[2]H_4}$ Sodium Salt	13230	\$490/10mg
Glycoursodeoxycholic Acid	13224UNL	\$100/50mg
Glycoursodeoxycholic Acid- $^{[2]H_4}$	13224	\$185/10mg
Tauroursodeoxycholic Acid Dihydrate	13106UNL	\$150/50mg
Tauroursodeoxychoic Acid- $^{[2]H_4}$ Sodium Salt	13106	\$490/10mg