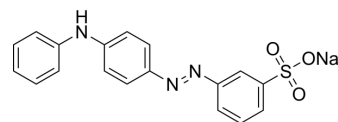


Acid Yellow 36

Cat. No.:	HY-128369
CAS No.:	587-98-4
Molecular Formula:	C ₁₈ H ₁₄ N ₃ NaO ₃ S
Molecular Weight:	375.38
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Acid Yellow 36 (Metanil Yellow) is an azo dye and a pH indicator. Acid Yellow 36 changes its color from red at pH 1.2 to yellow at pH 2.3. Acid Yellow 36 is used in the leather, paper and textile industries. Acid Yellow 36 acts as a bifunctional inducer of specific isozymes of P-450 and cytosolic enzymes ^{[1][2][3]} .
In Vitro	Acid Yellow 36 (Metanil Yellow) acts as an inducer of a specific form of microsomal P-450 and cytosolic glutathione-S-transferase (GST) and quinone reductase (QR), which may involve a cytosolic Ah receptor ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Sharma UK, et al. Ameliorating efficacy of eugenol against metanil yellow induced toxicity in albino Wistar rats. Food Chem Toxicol. 2019;126:34-40.
- [2]. Nakano N, et al. Development of a monitoring system for vinyl chloride gas in air by using an HCl monitoring tape and pyrolyzer. Talanta. 1996;43(3):459-463.
- [3]. Ramchandani S, et al. Effect of oral and parenteral administration of metanil yellow on some hepatic and intestinal biochemical parameters. J Appl Toxicol. 1997;17(1):85-91.

Caution: Product has not been fully validated for medical applications. For research use only.

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