



Characterization of the Mercapturic Acid Pathway, an Important Phase II Biotransformation Route, in a Zebrafish Embryo Cell Line

March 25, 2021 | Alena Tierbach

In her PhD thesis, Alena Tierbach could show that the zebrafish embryo-derived PAC2 cell line expresses a fully functional mercapturic acid pathway.

Using the model electrophile CDNB she could follow its transformation to the mercapturate using LC-MS. The data provides an important contribution towards using zebrafish cell lines for animal-free high-throughput screening in toxicology and chemical hazard assessment

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