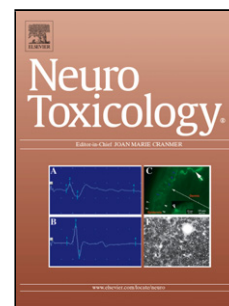


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Aldehyde Dehydrogenase 2 in the spotlight: the link between mitochondria and neurodegeneration

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Highlights

- Neurodegenerative diseases are threatening conditions that affect life-quality and life-span of the affected patients.
- ALDH2 is a critical enzyme involved in neurotoxic mechanisms of PD and AD
- 4-HNE which is considered one of the fundamental signaling molecules in the pathogenesis of AD and its detoxification depend on ALDH2 activity.
- ALDH2 activation is proposed as a therapeutic approach for PD, since the enzyme plays a crucial role in mitochondrial normal function maintenance that protects against neurotoxicity.

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