3H-1, 2-Dithiole-3-Thione (D3T) as a Novel Therapeutic Agent for the Treatment of Experimental Autoimmune Encephalomyelitis

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## **Disclosure Information**

All authors declare that there are no conflicts of interest.

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## **Learning Objectives**

- Examine the potential beneficial effect of D3T in the treatment of EAE, an animal model of MS.
- Investigate the molecular mechanisms underlying the protective effect of D3T in EAE.

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# **Multiple Sclerosis (MS)**

- A chronic autoimmune, inflammatory neurological disease of central nervous system (CNS).
  - More then 2.3 million people affected by MS worldwide.
    National Multiple Sclerosis Society website.
- Experimental autoimmune encephalomyelitis (EAE) is a widely used animal model for MS.







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\*p<0.05; \*\*p<0.01; \*\*\*p<0.001















#### Conclusion









Ф BM-DCs / Q-PCR







### Nrf2+/- & Nrf2-/- BM-DCs / FACS

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