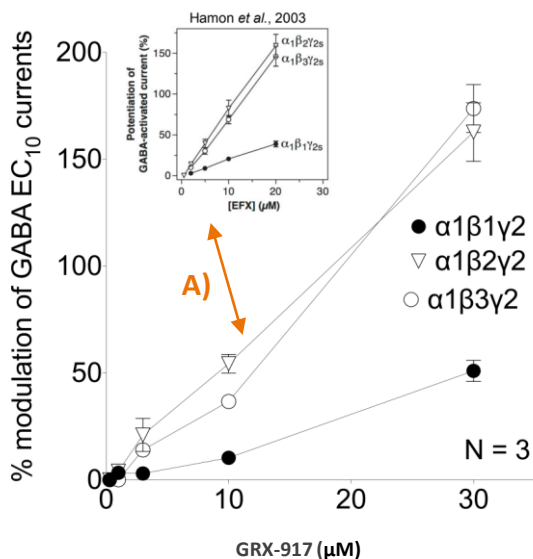


## Identical Mechanism of Action as Etifoxine

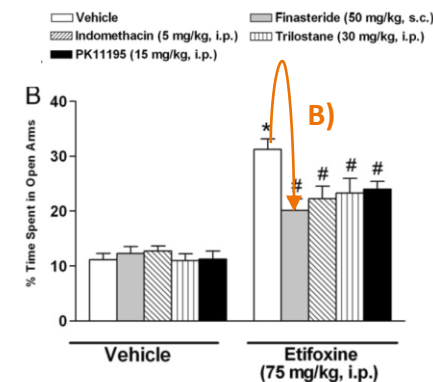
Analyses confirm, as expected, that the deuterated version of etifoxine has the identical mechanism of action (MOA) and pharmacological properties as etifoxine.

- A)** In-vitro, both compounds show the same selective profile for  $\beta 2/3$ -subunit-containing GABA<sub>A</sub> receptors.
- B)** In-vivo, GRX-917 is able to stimulate neurosteroid biosynthesis mediating the same pharmacological effects described for etifoxine.

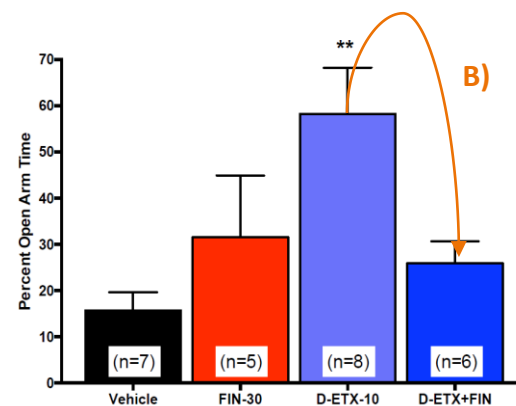
### A) Identical Boosted GABAergic Transmission



### B) Identical Anxiolytic Effect Reversed by Finasteride-Blocking Neurosteroid Production



Ugale, R. et al. Brain research 1184 (2007), 193-201



Finasteride 30 mg/Kg i.p., GRX-917 10 mg/Kg i.p.