



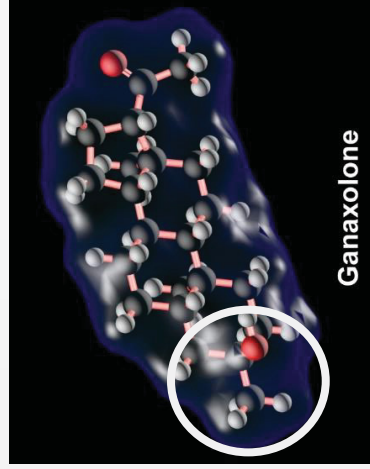
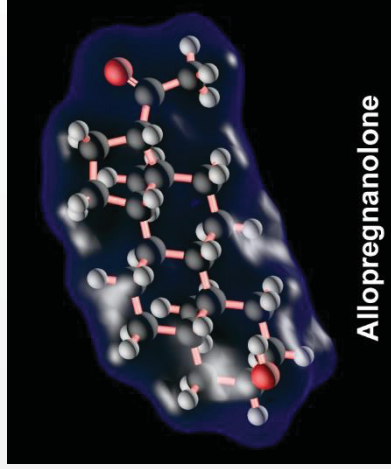
Ganaxolone Administered IV Blocks Experimental Status Epilepticus

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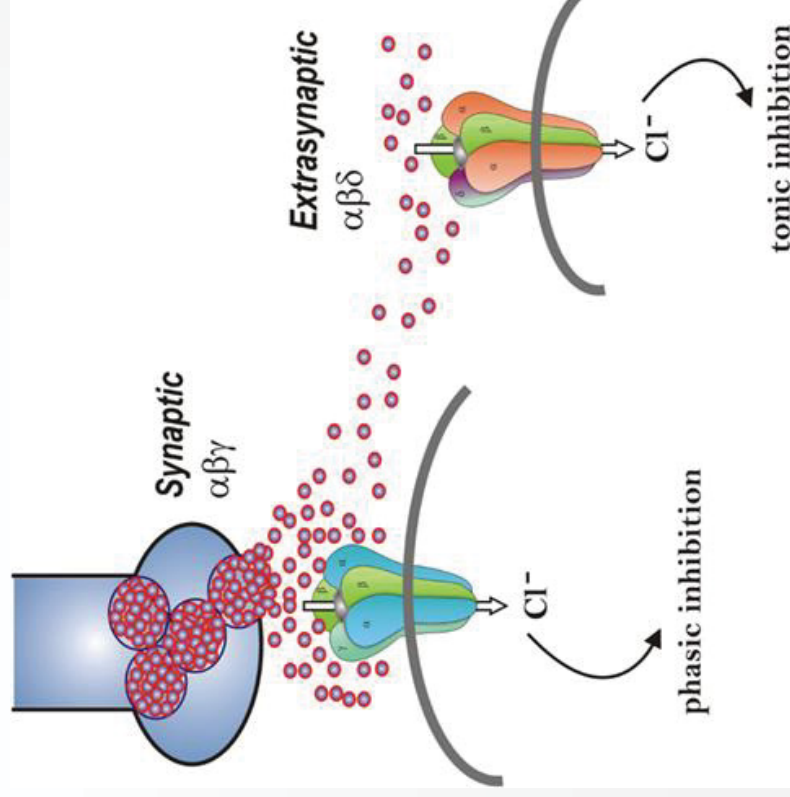
NASDAQ: MRNS

Ganaxolone Targets Synaptic and Extrasynaptic GABA_A Receptors

GNX is a synthetic analog of allopregnanolone



GNX is designed to modulate both synaptic and extrasynaptic GABA_A receptors to calm over-excited neurons

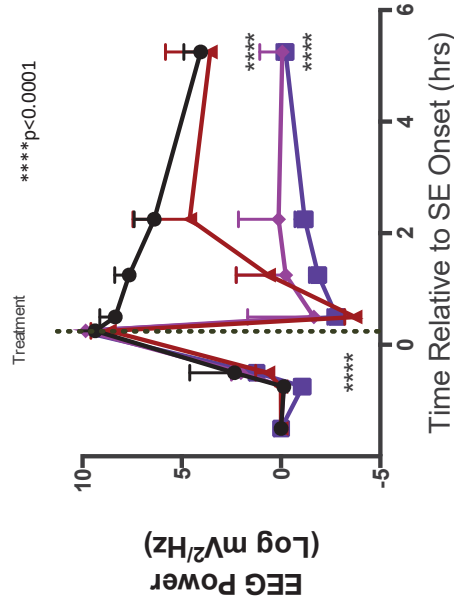


Ganaxolone IV Blocked Benzodiazepine Refractory Status Epilepticus

► Preclinical Rat Model of Benzodiazepine-refractory SE

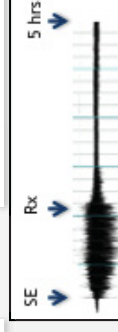
- SE induced by lithium + pilocarpine
- GNX or Allopregnanolone administered 15 or 60 min after SE onset
- Seizures measured by EEG response via preimplanted cortical electrodes

GNX Administered IV 15 min After Seizure Onset

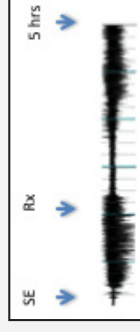


GNX

Raw
EEG
Trace

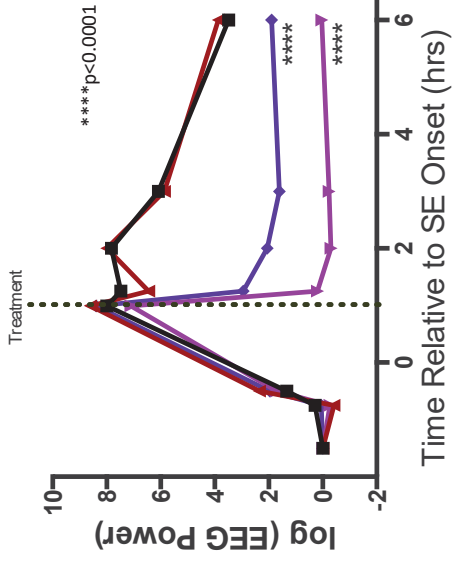


ALLO



MARINUS
PHARMACEUTICALS

GNX Administered IV 60 min After Seizure Onset

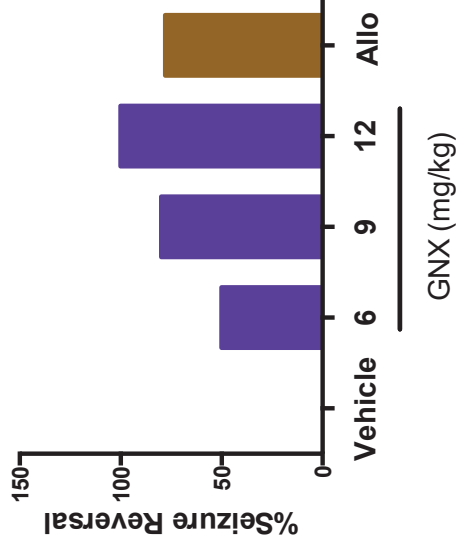


Ganaxolone IV Blocked Behavioral Convulsions and Increased Survival in Experimental Status Epilepticus

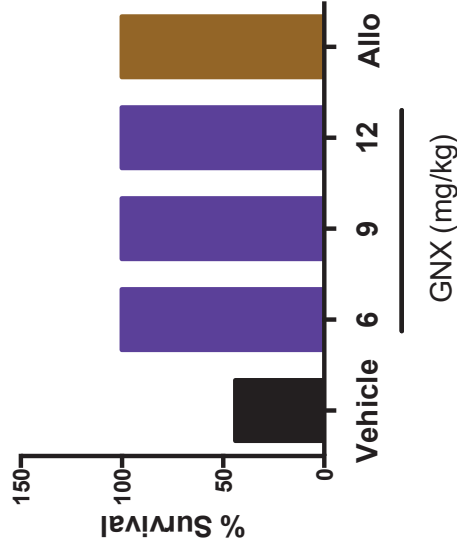
► Preclinical Rat Model of Benzodiazepine-refractory SE- Behavioral Convulsions

- SE induced by lithium + pilocarpine
- GNX or Allopregnanolone administered 60 min after SE onset
- Convulsive seizures measured by Racine scale

GNX Administered IV Blocks Convulsive Seizures



GNX Administered IV Increases Survival



Thank You

