Potent, selective inhibitor of the TTX-resistant voltage-gated sodium channel Nav1.8. Nav1.8 is preferentially expressed in sensory neurons, and inhibition attenuates both inflammatory and neuropathic pain in a variety of animal models. IC$_{50}$s for rat and human Nav1.8 are 140 nM and 8.0 nM respectively.

1) Jarvis et al. (2007), *A-803467, a potent and selective Nav1.8 sodium channel blocker, attenuates neuropathic and inflammatory pain in the rat*; Proc. Natl. Acad. Sci. USA, 104 8520


**PHYSICAL DATA**

- Molecular Weight: 357.79
- Molecular Formula: C$_{19}$H$_{16}$ClNO$_{4}$
- Purity: 98% by TLC [50% Ethyl acetate/hexanes, R$_f$ = 0.58]
- NMR: (Conforms)
- Solubility: DMSO (up to 15 mg/mg), ethanol (up to 2 mg/ml)
- Physical Description: White solid (M.P. = 128-130°C)
- Storage and Stability: Store as supplied at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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