

# FOCUS BIOMOLECULES

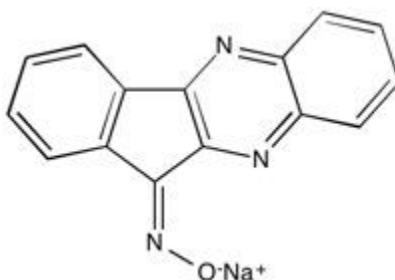
**Catalog # 10-1513**

**IQ-1S**

CAS# 1421610-21-0

11H-Indeno[1,2-b]quinoxaline-11-one oxime, sodium salt

Lot # S102012



JNK3 inhibitor ( $K_d = 87, 360$  and  $390$  nM for JNK3, JNK2 and JNK1, respectively). Displays anti-inflammatory and immunosuppressive activity. Inhibits LPS-induced proinflammatory cytokine and nitric oxide release *in vitro*.<sup>1</sup> Attenuates collagen-induced arthritis severity and inhibits murine delayed-type hypersensitivity *in vivo*.<sup>2</sup>

- 1) Schepetkin *et al.* (2012), *Identification and characterization of a novel class of c-Jun N-terminal kinase inhibitors*; Mol. Pharmacol., **81** 832
- 2) Schepetkin *et al.* (2015), *Anti-Inflammatory effects and Joint Protection in Collagen-Induced Arthritis after Treatment with IQ-1A, a Selective c-Jun N-Terminal Kinase Inhibitor*; J. Pharmacol. Exp. Ther., **353** 505

## PHYSICAL DATA

Molecular Weight:	269.23
Molecular Formula:	$C_{15}H_8N_3O \cdot Na$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 15 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied desiccated at $-20^{\circ}C$ for up to 2 years from the date of purchase. Solutions in DMSO may be stored at $-20^{\circ}C$ for up to 1 month.

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