

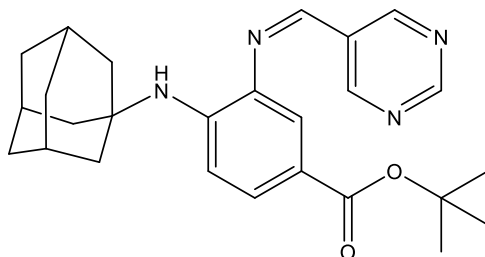
**Catalog # 10-4668**

**SRS16-86**

CAS# 1793052-96-6

tert-Butyl 4-(1-adamantylamino)-3-(pyrimidin-5-ylmethylideneamino)benzoate

Lot # FBA8001



SRS16-86 is a third generation ferrostatin derivative with greater metabolic and plasma stability for *in vivo* studies. It protected mice in a renal severe ischemia-reperfusion injury model *via* inhibition of ferroptosis.<sup>1</sup> SRS16-86 enhanced functional recovery after spinal cord injury in a rat model *via* upregulation of GPX4, GSH, and xCT as well as downregulation of lipid peroxidation marker 4-hydroxynonenal.<sup>2</sup>

- 1) Linkermann *et al.* (2014), *Synchronized renal tubular cell death involves ferroptosis*; Proc. Natl. Acad. Sci. USA. **111** 16841
- 2) Zhang *et al.* (2019), *Ferroptosis inhibitor SRS 16-86 attenuates ferroptosis and promotes functional recovery in contusion spinal cord injury*; Brain Res. **1706** 48

**PHYSICAL DATA**

Molecular Weight:	432.57
Molecular Formula:	C <sub>26</sub> H <sub>32</sub> N <sub>4</sub> O <sub>2</sub>
Purity:	>98% TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Store solutions in DMSO at -20°C for up to 1 month.

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