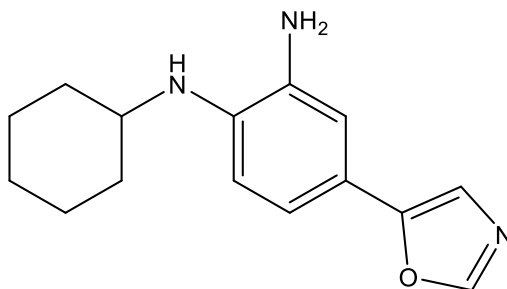


Catalog # 10-4948

UAMC-4821

N1-Cyclohexyl-4-(oxazol-5-yl)benzene-1,2-diamine

Lot # FBA10234



UAMC-4821 is a next generation ferrostatin-like ferroptosis inhibitor with improved potency ($IC_{50} = 5.2$ nM), oral bioavailability, and the ability to cross the blood-brain barrier. It displays good microsomal stability and low clearance *in vivo* in mice.

- 1) Scarpellini *et al.* (2025), *Oxazole-Based Ferroptosis Inhibitors with Promising Properties to Treat Central Nervous System Diseases*; J. Med. Chem., **68** 4908

PHYSICAL DATA

Molecular Weight:	257.34
Molecular Formula:	C ₁₅ H ₁₉ N ₃ O
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>50 mg/mL)
Physical Description:	Off-white/gray to pale yellow solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase.
	Solutions in DMSO 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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