

Product Name	: CORM-401
Synonyms	: —
Cat No.	: M33321
CAS Number	: 1001015-18-4
Molecular Formula	: C ₈ H ₆ MnNO ₆ S ₂
Formula Weight	: 331.2
Chemical Name	: —
Description	CORM-401 is an oxidant-sensitive CO-releasing molecule. CORM-401 induces NO increase in the regulation of endothelial calcium signalling. CORM-401 reduces TNF- α /CHX and H ₂ O ₂ -induced ROS production. CORM-401 uncouples mitochondrial respiration and inhibits glycolysis.
Pathway	: Microbiology/Virology
Target	: Antibiotic
Receptor	: Antibiotic
Solubility	: In Vitro: ?DMSO : 25 mg/mL (75.48 mM; Ultrasonic)
SMILES	: [H+].O#C[Mn+](C#O)(C#O)(C#O)[S]=C([S-]1)N(C)CC(=O)[O-]
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

I. Kaczara P, et al. CORM-401 induces calcium signalling, NO increase and activation of pentose phosphate pathway in endothelial cells. FEBS J. 2018 Apr;285(7):1346-1358.?