



Formula: C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>

MW: 164.16

TNP NUMBER: TNP00192

MDL NUMBER: MFCD00171320

IUPAC: 4-methoxy-1-methyl-2-oxohydropyridine-3-carbonitrile

Smiles: c1n(c(c(c1)OC)C#N)=O)C

REFERENCE: Merck 13, 8294 Ferraz AC, et al. Pharmacological evaluation of ricinine, a central nervous system stimulant isolated from *Ricinus communis*. *Pharmacol Biochem Behav.* 1999 Jul;63(3):367-75 Ferraz AC, et al. Ricinine-elicited seizures. A novel chemical model of convulsive seizures. *Pharmacol Biochem Behav.* 2000 Apr;65(4):577-83 Johnson RC, et al. Quantification of ricinine in rat and human urine: a biomarker for ricin exposure. *J Anal Toxicol.* 2005 Apr;29(3):149-55

SOURCE: From seeds and leaves of the castor plant, *Ricinus communis* L., Euphorbiaceae

ACCEPTORS: 2

DONORS: 0

ROTATION BONDS: 1

N+O: 4

Chiral Centers: 0

LogP: 0.32

LogS: -2.78

LIPINSKI: 4

