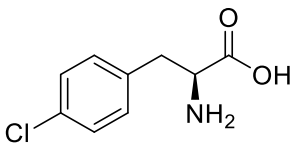
Product data sheet

MedKoo Cat#: 525042 Name: Fenclonine CAS#: 7424-00-2 Chemical Formula: $C_9H_{10}ClNO_2$ Exact Mass: 199.04001 Molecular Weight: 199.63	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.
	In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:
Fenclonine acts as a selective and irreversible inhibitor of tryptophan hydroxylase, which is a rate-limiting enzyme in the biosynthesis of serotonin. It has been used experimentally to treat carcinoid syndrome.

2. CoA, QC data, SDS, and handling instruction
SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	1.5	7.51
Water	2.0	10.02

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	5.01 mL	25.05 mL	50.09 mL
5 mM	1.00 mL	5.01 mL	10.02 mL
10 mM	0.50 mL	2.50 mL	5.01 mL
50 mM	0.10 mL	0.50 mL	1.00 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator
Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study
In vitro study
N/A

In vivo study
N/A

7. Bioactivity
Biological target:
Fenclonine is an irreversible inhibitor of tryptophan (Trp) hydroxylase, the rate-limiting enzyme in serotonin biosynthesis.

In vitro activity
N/A

In vivo activity
N/A

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.

Product data sheet