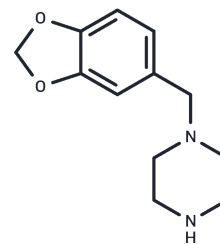


1-Piperonylpiperazine

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 32231-06-4 |
| Formula: | C12H16N2O2 |
| Molecular Weight: | 220.27 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | 1-Piperonylpiperazine (MDBP) undergoes demethylenation followed by methylation to form N-(4-hydroxy-3-methoxybenzyl)piperazine, with partial glucuronidation or sulfation occurring afterwards. It can alter the distribution and metabolism of 3,4-methylenedioxymethamphetamine (MDMA) in the brain and peripheral organs. Furthermore, 1-Piperonylpiperazine has the potential to inhibit the neurotoxic effects induced by MDMA. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.5399 mL | 22.6994 mL | 45.3988 mL |
| 5 mM | 0.908 mL | 4.5399 mL | 9.0798 mL |
| 10 mM | 0.454 mL | 2.2699 mL | 4.5399 mL |
| 50 mM | 0.0908 mL | 0.454 mL | 0.908 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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