

## Centrolobel

## Chemical Properties

CAS No. : 30359-01-4

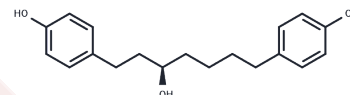
Formula: C<sub>19</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 300.39

Storage: Keep away from direct sunlight, Keep away from moisture

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   | Centrolobel is a natural organic compound derived from <i>Centrolobium robustum</i> Mart., and is a secondary metabolite belonging to the phenolic class. Centrolobel exhibits antioxidant and anti-inflammatory activity and inhibits RBL-2H3; its mechanism of action is related to the regulation of NO production. Centrolobel is primarily used in the screening of natural products and research into biological activity. |
| Targets(IC50) | NO Synthase  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.329 mL  | 16.645 mL | 33.2901 mL |
| 5 mM  | 0.6658 mL | 3.329 mL  | 6.658 mL   |
| 10 mM | 0.3329 mL | 1.6645 mL | 3.329 mL   |
| 50 mM | 0.0666 mL | 0.3329 mL | 0.6658 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.

## Reference

Ohta S, et al. Absolute configuration of platyphylloside and (-)-centrolobel[J]. Bulletin of the Chemical Society of Japan, 1985, 58(8): 2423-2424.

Kim SH, et al. Inhibition of antigen-induced degranulation by aryl compounds isolated from the bark of *Betula platyphylla* in RBL-2H3 cells. Bioorg Med Chem Lett. 2010 May 1;20(9):2824-7.

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