

List of All Chemicals

P Hyptis dilatata (Lamiaceae)

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical | Part | Low PPM | High PPM | StdDev | *Reference |
|----------|------|---------|----------|--------|------------|
|----------|------|---------|----------|--------|------------|

All ▾

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|---------------|-------|----|-------|------|--|
| CARNOSIC-ACID | Shoot | -- | 741.0 | -0.3 | Urones, J. G., Marcos, I. S., Diez, D., Cubilla, L. 1998. Tricyclic Diterpenes from Hyptis dilatata. <i>Phytochemistry</i> , 486: 1935-1938. |
|---------------|-------|----|-------|------|--|

Activities (2)

Antimutagenic Economic & Medicinal Plant Research, 6: 235.

Antioxidant IC50=0.81 uM

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|----------|-------|----|--------|------|--|
| CARNOSOL | Shoot | -- | 2963.0 | 0.95 | Urones, J. G., Marcos, I. S., Diez, D., Cubilla, L. 1998. Tricyclic Diterpenes from Hyptis dilatata. <i>Phytochemistry</i> , 486: 1935-1938. |
|----------|-------|----|--------|------|--|

Activities (20)

5-Lipoxygenase-Inhibitor
IC50 (uM)=2

AntiHIV J. Nat. Prod. 56: 1426.

Antibiotic Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from *Lepechinia hastata*. *J. Ethnopharmacology*, 31: 43-48, 1991.

Antihepatotoxic Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. *Planta Medica* 56(2): 171-173, 1990.

Antiinflammatory McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Antilipoperoxidant Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. *Planta Medica* 56(2): 171-173, 1990.

Antimutagenic Economic & Medicinal Plant Research, 6: 235.

Antioxidant McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Antiradicular Joyeux, M., Rolland, A., Fleurentin, J., Mortier, F., and Dorfman, P. 1989. Tert-Butyl Hydroperoxide-Induced Injury in Isolated Rat Hepatocytes: A Model for Studying Anti-Hepatotoxic Crude Drugs. *Planta Medica* 56(2): 171-173, 1990.

Antitumor McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Antitumor-Promoter McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Cancer-Preventive Stitt, P. A. *Why George Should Eat Broccoli*. Dougherty Co, Milwaukee, WI, 1990, 399 pp.

Candidicide Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from *Lepechinia hastata*. *J. Ethnopharmacology*, 31: 43-48, 1991.

Cyclooxygenase-Inhibitor
IC50 (uM) =16

Fungicide Encarnacion Dimayuga, R., Keer Garcia, S., Halfdan Nielsen, P., and Christophersen, C. 1989. Traditional Medicine of Baja California Sur (Mexico) III. Carnosol: A Diterpene Antibiotic from *Lepechinia hastata*. *J. Ethnopharmacology*, 31: 43-48, 1991.

Metal-Chelator McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Ornithine-Decarboxylase-Inhibitor McEvily, A.J., Iyengar, R., and Gross, A.T. Inhibition of Polyphenol Oxidase by Phenolic Compounds. *Phenolic Compounds in Food and Their Effects on Health*, Ch.25.

Pesticide

Protease-Inhibitor J. Nat. Prod. 56: 1426.

Quinone-Reductase-Inducer 100 mg/kg ipr rat Singletary, K. W. 1996. Rosemary Extract and Carnosol Stimulate Rat Liver Glutathione-s-transferase and Quinone Reductase Activities. *Cancer Lett.*, 100: 139-144.