

## Escualeno

### **Estado físico y punto de fusión**

The Index Merck: an encyclopedia of chemicals, drugs, and biologicals. 15th. ed. Whitehouse Station, NJ USA: Merck & Co INC, 2012.

### **Punto de ebullición**

Beil. I IV 1146

### **Rotación específica**

Heilbron IM, Kamm ED, Owens WM. 1926. Unsaponifiable matter from the oils of elasmobranch fish. I. Contribution to the study of the constitution of squalene (spinacene). J Chem Soc 1630-1644.

### **RMN<sup>1</sup>H y RMN<sup>13</sup>C**

Kim HJ, Su L, Jung H, Koo S. 2011. Selective Deoxygenation of Allylic Alcohol: Stereocontrolled Synthesis of Lavandulol. Org Lett 13(10): 2682-2685.

### **Masas**

Dong X, Cheng J, Li J, Wang Y. 2010. Graphene as a Novel Matrix for the Analysis of Small Molecules by MALDI-TOF MS. Anal Chem 82(14): 6208-6214.

### **Rayos X**

Ernst J, Sheldrick William S, Fuhrhop JH. 1976. Crystal structure of squalene. Angewandte Chemie International Edition in English 15(12): 778

### **Actividad biológica**

Chen JJ, Wu HM, Peng CF, Chen IS, Chu SD. 2009. seco-Abietane diterpenoids, a phenylethanoid derivative, and antitubercular constituents from *Callicarpa pilosissima*. J Nat Prod 72(2): 223-228.

### **Otras referencias:**

- Nachar A, Saleem A, Arnason JT, Haddad PS. 2015. Regulation of liver cell glucose homeostasis by dehydroabiatic acid, abiatic acid and squalene isolated from balsam fir (*Abies balsamea* (L.) Mill.) a plant of the Eastern James Bay Cree traditional pharmacopeia. Phytochemistry 117: 373-379.
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- Park J, Matralis AN, Berghuis AM, Tsantrizos YS. 2014. Human isoprenoid synthase enzymes as therapeutic targets. Front Chem 2: 1-21.
- Gas-Pascual E, Simonovik B, Schaller H, Bach TJ. 2015. Inhibition of cycloartenol synthase (CAS) function in tobacco BY-2 cells. Lipids 50(8): 761-772.

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- Villa-Ruano N, Pacheco-Hernandez Y, Rubio-Rosas E, Lozoya-Gloria E, Mosso-Gonzalez C, Ramon-Canul LG, Cruz-Duran R. 2015. Essential oil composition and biological/pharmacological properties of *Salmea scandens* (L.) DC. *Food Control* 57: 177-187.
- Nagashima S, Yagyu H, Tozawa R, Tazoe F, Takahashi M, Kitamine T, Yamamuro D, Sakai K, Sekiya M, Okazaki H, et al. 2015. Plasma cholesterol-lowering and transient liver dysfunction in mice squalene synthase in the liver. *J Lipid Res* 56:859: 998-1005.