

Product Data Sheet

Product Name: Bourgeonal

Cat. No.: GC46945

Chemical Properties

Cas. No. 18127-01-0

SMILES CC(C)(C)C1=CC=C(CCC=O)C=C1

Formula C₁₃H₁₈O

M.Wt 190.3

Solubility DMF: 15mg/mL, DMSO:

Storage Store at -20°C

10mg/mL, Ethanol:

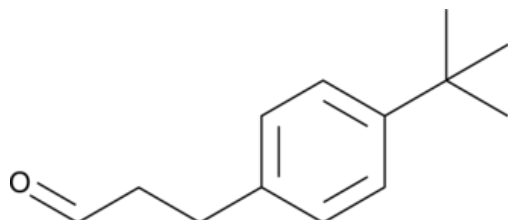
30mg/mL, Ethanol:PBS (pH 7.2)

(1:3): 0.25mg/mL

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Bourgeonal is an agonist of human testicular olfactory receptor hOR17-4.¹ It increases cytosolic calcium levels in human spermatozoa when used at a concentration of 5 μM. Bourgeonal acts as a chemoattractant and increases swimming speed in sperm chemotaxis assays in a concentration-dependent manner.

1. Spehr, M., Gisselmann, G., Poplawski, A., et al. Identification of a testicular odorant receptor mediating human sperm chemotaxis. *Science* 299(5615):2054-2058 (2003)

Caution: Product has not been fully validated for medical applications. For research use only.

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