

Product Data Sheet

Product Name: 10-(Cyclopropylcarbonyl)-3'-dephenyl-3'-(2-methyl-2-propenyl)docetaxel
Cat. No.: GF44643

Chemical Properties

Cas. No. 178250-23-2

Formula $C_{45}H_{59}NO_{15}$ M.Wt 853.95

Solubility Storage -20°C

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

SB-T-1214 (SBT) is a taxane. SB-T-1214 efficiently inhibits expression of stem cell-related genes (Oct4, Sox2, and c-Myc) and induces apoptosis of colon cancer spheroids with drug resistant tumorigenic CD133+/CD44+ cells. SB-T-1214 strongly represses tumor growth in Pgp+ DLD-1 human colon tumor xenografts mice model. SB-T-1214 can be used for antitumor research, especially against tumors with drug resistance, such as colon, pancreatic and renal cancers^{[1][2]}.

References:

[1]. Seitz JD, et al. Design, synthesis and biological evaluation of a highly-potent and cancer cell

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

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selective folate-taxoid conjugate. Bioorg Med Chem. 2015 May 1; 23(9):2187-94.

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