# 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, andc-Myc) and inducesapoptosisof coloncancerspheroids with drug resistant tumorigenicCD133+/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

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