

Product Data Sheet

Product Name: CS1
Cat. No.: GB40161

Chemical Properties

Cas. No. 1448009-94-6

Formula $C_{16}H_{12}O_3$ M.Wt 252.26

Solubility Storage

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

TOPO II α inhibitor with broad-spectrum in vitro antitumor effects (IC₅₀ values 4.3 μ M, 11.5 μ M, and 4.6 μ M for inhibition of proliferation of breast cancer MDA-MB-231, human lung cancer A549 and human cervical cancer HeLa cell lines, respectively). CS1 functions as a Topo II poison to stabilize Topo II/DNA complex, which leads to DNA damage, cell cycle arrest at G2/M phase and apoptosis, and is 6-10-fold less cytotoxic against HL7702 and HUVEC cells compared with etoposide.

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

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