

Product Data Sheet

Product Name: ON-013100

Cat. No.: GC33353

Chemical Properties

Cas. No. 865783-95-5

SMILES OC1=CC(CS(=O)(/C=C/C2=C(OC)C=C(OC)C=C2OC)=O)=CC=C1OC

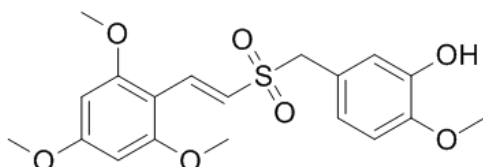
Formula $C_{19}H_{22}O_7S$ M.Wt 394.44

Solubility Soluble in DMSO Storage Store at -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

ON-013100, an antineoplastic drug, acts as a mitotic inhibitor that could inhibit Cyclin D1 expression.

ON-013100 induces apoptosis, and has activity against most human cancer cell lines in vitro

[1]. Cho SY, et al. Determination of the glucuronide metabolite of ON 013100, a benzylstyrylsulfone antineoplastic drug, in colon cancer cells using LC/MS/MS. J Pharm Biomed Anal. 2013 Mar 5;75:138-44. [2]. Park IW, et al. Evaluation of novel cell cycle inhibitors in mantle cell lymphoma.

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

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Oncogene. 2007 Aug 16;26(38):5635-42. [3]. Neel Jasani, et al. Potent anticancer activity of an orally bioavailable small molecule, ON 013100, and its water soluble derivative, briciclib, a clinical-stage eIF4E-targeted agent. AACR 106th Annual Meeting 2015; April 18-22, 2015; Philadelphia, PA.

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