
Product Data Sheet

Product Name: CAY10616

Cat. No.: GC18530

Chemical Properties

Cas. No. 586410-08-4

Chemical Name 5-[(1Z)-2-(3,5-dimethoxyphenyl)ethenyl]-2-methoxy-phenol

SMILES COc1cc(\C=C\c2ccc(OC)c(O)c2)cc(OC)c1Formula C₁₇H₁₈O₄ M.Wt 286.3Solubility DMF: 20 mg/ml, DMF:PBS (pH 7.2) (1:9): 0.1 mg/ml, DMSO: 14 mg/ml, Ethanol: 10 mg/ml
Store Storage 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**

Resveratrol is a natural polyphenolic antioxidant that has anti-cancer properties. CAY10616 is an analog of resveratrol which potently induces apoptosis in promyelocytic leukemia HL-60 cells (IC₅₀ = 40 nM, vs. 50 μM for resveratrol). In addition, CAY10599 induces apoptosis (IC₅₀ = 30 nM) in HL-60R, a cell line derived from HL-60 that expresses a multidrug-resistance phenotype (resistant to daunorubicin, etoposide, and citarabine).

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

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