

Product Data Sheet

Product Name: KCC 07
Cat. No.: GC50520

Chemical Properties

Cas. No. 315702-75-1

SMILES OC1=CC=CC(NC2=NC(C3=CC=CC=N3)=CS2)=C1

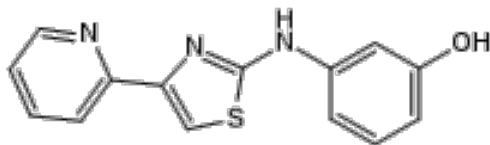
Formula $C_{14}H_{11}N_3OS$ M.Wt 269.32

Solubility Soluble in DMSO Storage 4°C, protect from light

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

MBD2 (Methyl-CpG-binding domain protein 2) inhibitor. Prevents binding of MBD2 to methylated DNA and activates brain specific angiogenesis inhibitor 1 (BAI1)/p53 signaling. Inhibits medulloblastoma (MB) cell growth in vitro and reduces tumor size in mice bearing MB xenografts. Brain penetrant.

Zhu et al (2018) BAI1 suppresses medulloblastoma formation by protecting p53 from Mdm2-mediated degradation. Cancer Cell 33 1004 PMID:29894688

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

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