

Product Data Sheet

Product Name: CAY10701

Cat. No.: GC40890

Chemical Properties

Cas. No. 1616967-52-2

SMILES O=C1C2=C(NC(C(C3=CC=CC=C3)=O)=C2C4=CC=CC=C4)NC(CCCC#C)=N1

Formula C₂₄H₁₉N₃O₂

M.Wt 381.4

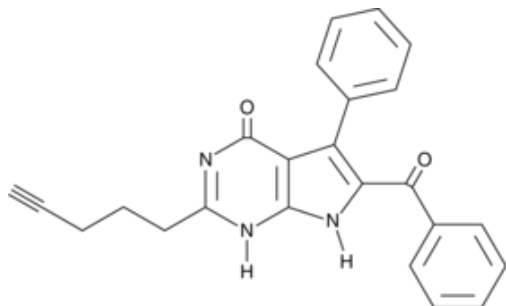
Solubility Ethanol: 10 mg/ml, Methanol: 10 mg/ml

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

CAY10701 is a 7-deazahypoxanthine analog that prevents microtubule formation, blocking the proliferation of HeLa and MCF-7 cells (GI₅₀s = 22 and 38 nM, respectively). It also inhibits the growth of several different colorectal cancer cell lines (GI₅₀ values range from 9 to 17 nM), while being at least 1,500-fold less effective against normal human fibroblast WI38 cells. CAY10701 is effective in vivo, reducing tumor volume in colorectal cell xenografts in mice without significantly altering body weight.

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

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