

Catalog Number: CM05618

产品信息

Catalog Number:
CM05618

CAS号:
27314-97-2

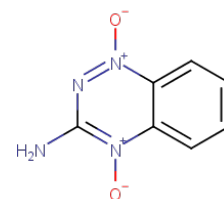
分子式:
C₇H₆N₄O₂

主要靶点:
Others

主要通路:
其他

分子量:
178.15

溶解度:
DMSO:50 mg/mL (280.66 mM)



体外活性

Tirapazamine could downregulate HIF-1 α expression by decreasing HIF-1 α protein synthesis. The enhanced apoptosis induced by tirapazamine plus SN-38 (the active metabolite of irinotecan) was accompanied by increased mitochondrial depolarization and caspase pathway activation [1].

体内活性

The increased the anticancer efficacy of tirapazamine combined with irinotecan was further validated in a human liver cancer Bel-7402 xenograft mouse model [1]. Rats were intraperitoneally injected six times once a week with tirapazamine in two doses, 5 (5TP) and 10 mg/kg (10TP), while doxorubicin was administered in dose 1.8 mg/kg (DOX). Subsequent two groups received both drugs simultaneously (5TP+DOX and 10TP+DOX). Tirapazamine reduced heart lipid peroxidation and normalized RyR2 protein level altered by doxorubicin [2].

储存

keep away from moisture,store at low temperature,keep away from direct sunlight | Powder: -20°C for 3 years | In solvent: -80°C for 1 year | Shipping with blue ice.