
Product Data Sheet

Product Name: Diazepinomicin

Cat. No.: GC35859

Chemical Properties

Cas. No. 733035-26-2

SMILES O=C1C2=CC=CC(O)=C2NC3=C(O)C=C(O)C=C3N1C/C=C(C)/CC/C=C(C)/CC/C=C(C)\C

Formula $C_{28}H_{34}N_2O_4$ M.Wt 462.58

Solubility Soluble in DMSO Storage Store at -20°C, protect from light, stored under nitrogen

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

Diazepinomicin (TLN-4601) is a secondary metabolite produced by *Micromonospora* sp. Diazepinomicin (TLN-4601) inhibits the EGF-induced Ras-ERK MAPK signaling pathway and induces apoptosis. An anti-tumor agent for K-Ras mutant models[1]. Diazepinomicin (TLN-4601) inhibits the EGF-induced Ras-ERK MAPK signaling pathway post Ras prenylation and prior to MEK activation[1].

[1]. Campbell PM, et al. TLN-4601 suppresses growth and induces apoptosis of pancreatic carcinoma cells through inhibition of Ras-ERK MAPK signaling. *J Mol Signal*. 2010 Nov 2;5:18.

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

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