

Product Data Sheet

Product Name: MM 11253

Cat. No.: GC10212

Chemical Properties

Cas. No. 345952-44-5

Chemical Name 6-(2-(5,5,8,8-tetramethyl-5,6,7,8-tetrahydronaphthalen-2-yl)-1,3-dithiolan-2-yl)-2-naphthoic acid

SMILES OC(C1=CC2=CC=C(C=C2C=C1)C3(C4=CC=CC5C(C)(C)CCC(C)(C)C5=C4)SCCS3)=O

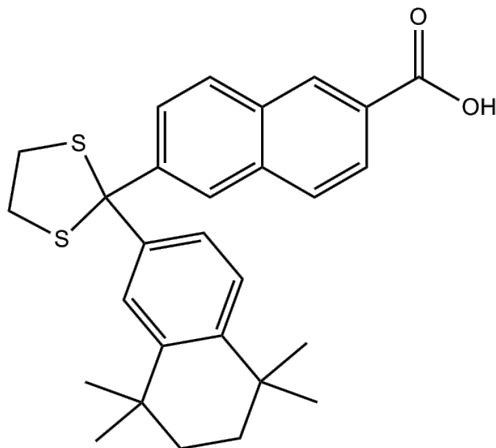
Formula $C_{28}H_{30}O_2S_2$ M.Wt 462.67

Solubility 30 mg/ml in DMSO 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



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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

MM-11253 is a synthetic, conformationally restricted retinoid that acts as a selective antagonist of retinoic acid receptor γ (RAR γ).¹ It dose-dependently blocks the ability of RAR γ -selective agonists, but not retinoic acid (all-trans retinoic acid; to inhibit the growth of oral squamous cell carcinoma cells in vitro.^[1]

Reference:

[1]. Le, Q.T., Dawson, M.I., Soprano, D.R., et al. Modulation of retinoic acid receptor function alters the growth inhibitory response of oral SCC cells to retinoids. *Oncogene* 19(11), 1457-1465 (2000).

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