

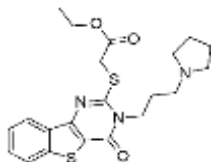
PRODUCT: A37

ALTERNATE NAME: Ethyl 2-[[[3,4-dihydro-4-oxo-3-[3-(1-pyrrolidinyl)propyl][1]benzothieno[3,2-*d*]pyrimidin-2-yl]thio]acetate; CM 037

CATALOG #: B1577-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₂₅N₃O₃S₂

MOLECULAR WEIGHT: 431.57

CAS NUMBER: 896795-60-1

APPEARANCE: Beige solid

SOLUBILITY: DMSO (>40 mg/ml) or EtOH (>30 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: A37 is a aldehyde dehydrogenase 1A1 (ALDH1A1) inhibitor (IC₅₀ = 4.6 μM; K_i = 300 nM). Displays selectivity for ALDH1A1 over eight other ALDH isoforms. A37 disrupts OC spheroid formation and cell viability (p<0.001).

REFERENCES: Morgan, C.A., and Hurley, T.D. (2015). *J. Med. Chem.* **58**, 1964-1975; Condello, S., *et al.* (2015). *Oncogene* **34**, 2297-2308.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aldehyde Dehydrogenase Activity Colorimetric Assay Kit (**K731**)

PicoProbe™ Aldehyde Dehydrogenase Activity Fluorometric Assay Kit (**K741**)

ALDH2 Antibody (**6746**)

ALDH2 Antibody (Center) (**6747**)

Human Recombinant ALDH2 (**6332**)

Human Recombinant ALDH23A1 (**6333**)

A37 (**B1577**)

BRD7116 (**B1578**)

Galieallactone (**Cat. No. 2623-100, 500**)

ITE (**B1579**)

ML243 (**Cat. No. 2515-5,25**)

Cancer Cell Stemness Inhibitor, BBI608 (**Cat. No. 2476-5,25**)

SC-26196 (**B1580**)

Thioridazine Hydrochloride (**B1581**)

TY-52156 (**B1582**)

Verteporfin (**B1583**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**