

Product Name: YK 4-279

Catalog No.: 4067

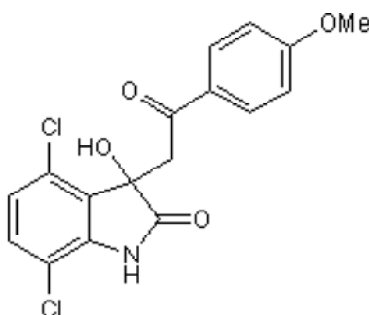
Batch No.: 1

CAS Number: 1037184-44-3

IUPAC Name: 4,7-Dichloro-1,3-dihydro-3-hydroxy-3-[2-(4-methoxyphenyl)-2-oxoethyl]-2H-indol-2-one

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₇H₁₃Cl₂NO₄
Batch Molecular Weight: 366.2
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.15 (Ethyl acetate:Petroleum ether [2:3])
HPLC: Shows 99.8% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	55.76	3.58	3.82
Found	55.86	3.64	3.9

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: YK 4-279

Catalog No.: 4067

Batch No.: 1

CAS Number: 1037184-44-3

IUPAC Name: 4,7-Dichloro-1,3-dihydro-3-hydroxy-3-[2-(4-methoxyphenyl)-2-oxoethyl]-2H-indol-2-one

Description:

YK 4-279 is an inhibitor of RNA Helicase A (RHA) binding to the oncogenic transcription factor EWS-FLI1. Inhibits Ewing's sarcoma family tumor (ESFT) cell growth; induces apoptosis.

Physical and Chemical Properties:

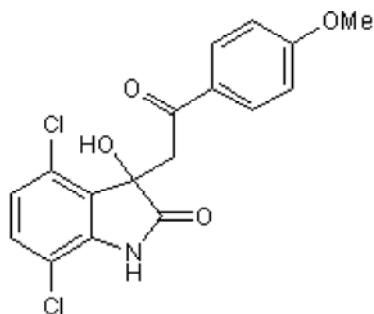
Batch Molecular Formula: C₁₇H₁₃Cl₂NO₄

Batch Molecular Weight: 366.2

Physical Appearance: White solid

Minimum Purity: ≥99%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Other Information:

Sold under licence from GEORGETOWN University for Research Use only. Research purposes shall not include development of YK 4-279 for clinical trials and testing in human patients. Patent Pending.

References:

Erkizan et al (2009) Small molecule selected to disrupt oncogenic protein EWS-FLI1 interaction with RNA helicase A inhibits Ewing's sarcoma. *Nat.Med.* **15** 750. PMID: 19584866.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel:+1 612 379 2956