Product Name: RITA Catalo
Catalog No.: 2443
Batch No.: 2
CAS Number: 213261-59-7
IUPAC Name: 5,5'-(2,5-Furandiyl)bis-2-thiophenemethanol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{14}H_{12}O_{3}S_{2} \cdot \frac{1}{4}H_{2}O$
Batch Molecular Weight: 296.87
Physical Appearance: Light brown solid
Solubility: DMSO to 100 mM, ethanol to 25 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

TLC: $R_f = 0.38$ (Chloroform:Methanol [95:5])
HPLC: Shows 98.5% purity
$^1$H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
<thead>
<tr>
<th>Element</th>
<th>Theoretical</th>
<th>Found</th>
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<tr>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

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Description:
Anti-tumor agent that binds wild-type p53 (Kd = 1.5 nM) preventing p53-MDM2 (HDM2) interaction. Induces p53 accumulation and stimulates apoptosis in tumor cell lines expressing wild-type p53 in vitro and in vivo. Inhibits HPV-E6-mediated proteasomal degradation. Suppresses expression of cervical carcinoma HeLa xenografts in vivo.

Physical and Chemical Properties:
Batch Molecular Formula: C14H12O3S2·¼H2O
Batch Molecular Weight: 296.87
Physical Appearance: Light brown solid
Minimum Purity: >97%

Storage:
Store at -20°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 25 mM
When purchased as a 1mg unit, this product is supplied as a lyophilized solid and may be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

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.

References:

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