Product Name: Galeterone
Catalog No.: 6108
Batch No.: 1
CAS Number: 851983-85-2
IUPAC Name: (3β)-(1H-Benzimidazol-1-yl)androsta-5,16-dien-3-ol

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: $C_{26}H_{32}N_{2}O\cdot\frac{1}{4}H_{2}O$
Batch Molecular Weight: 393.05
Physical Appearance: White solid
Solubility: DMSO to 50 mM
Storage: Store at -20°C

2. ANALYTICAL DATA

HPLC: Shows 99% purity
$^1H$ NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

<table>
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<th>Carbon</th>
<th>Hydrogen</th>
<th>Nitrogen</th>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: Galeterone
CAS Number: 851983-85-2
IUPAC Name: (3β)-17-(1H-Benzimidazol-1-yl)androsta-5,16-dien-3-ol

Description:
CYP17 inhibitor (IC$_{50} = 300$ nM) and androgen receptor antagonist (IC$_{50} = 384$ nM in PC3-AR cells). Inhibits DHT-stimulated prostate cancer cell proliferation in vitro. Exhibits antitumor activity in SCID mice bearing prostate cancer xenografts.

Physical and Chemical Properties:
Batch Molecular Formula: C$_{20}$H$_{12}$N$_2$O.1/4H$_2$O
Batch Molecular Weight: 393.05
Physical Appearance: White solid
Minimum Purity: >98%

Storage: Store at -20°C

Solubility & Usage Info:
DMSO to 50 mM
ethanol to 50 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.

References: