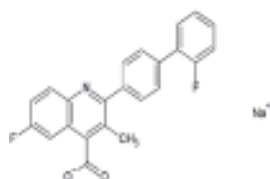


Brequinar Sodium

ALTERNATE NAME: NSC 368390
6-Fluoro-2-(2'-fluoro[1,1'-biphenyl]-4-yl)-3-methyl-4-quinolinecarboxylic acid sodium
BRQ
Dup 785

CATALOG #: B2637-5 5 mg
B2637-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₃H₁₄F₂NO₂Na

MOLECULAR WEIGHT: 397.35

CAS NUMBER: 96201-88-6

APPEARANCE: White solid

PURITY: ≥98% by HPLC

SOLUBILITY: >35 mg/ml DMSO
>35 mg/ml Water

DESCRIPTION: Brequinar sodium is a potent and selective dihydroorotate dehydrogenase (DHODH) inhibitor (IC₅₀ = ~20 nM). Blocks de novo pyrimidine biosynthesis. Displays minimal inhibition against a panel of >400 kinases. Triggers differentiation of AML cell lines. Causes differentiation and depletion of leukemia-initiating cells in vivo. Antimetabolite.

STORAGE TEMPERATURE: -20°C. Protect from moisture

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

RELATED PRODUCTS:

R162 (B1180)
Glutamate Dehydrogenase Activity Colorimetric Assay Kit (K729)
Glutamate Dehydrogenase Inhibitor Screening Kit (Fluorometric) (K185)

DISCLAIMER: **FOR RESEARCH USE ONLY! Not to be used on humans.**