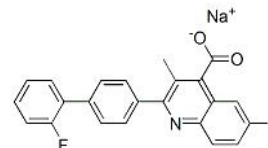


Technical Data Sheet

Bipenquinatate

Compound Information

Product Name:	Bipenquinatate
CAS No.:	96201-88-6
Molecular Formula:	C ₂₃ H ₁₄ F ₂ NNaO ₂
Storage:	Store at +4°C
Revision Date:	2026-04-27



Analytical Information

Tests	Specifications
Description	Brequinar Sodium (Bipenquinatate, BRQ, DUP-785, NSC 368390) is a potent and selective dihydroorotate dehydrogenase (DHODH) inhibitor with IC ₅₀ of ~20 nM and triggers differentiation in the ER-HoxA9, U937, and THP1 cells with ED ₅₀ of ~1 μM.
IUPAC Name	6-Fluoro-2-(2'-fluoro[1,1'-biphenyl]-4-yl)-3-methyl-4-quinolinecarboxylic acid sodium
Form	solid
Color	Off-white or white
Solubility	Soluble in DMSO (up to at least 25 mg/ml) or in Water (up to 15 mg/ml with warming)
HPLC	Shows >99.2% purity
1H NMR	Pass test

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.