

Catalog	Unit
TBI3965-10MG	10 mg
TBI3965-50MG	50 mg

### Product Details

**Formal Name:** 6-Fluoro-2-[4-(2-fluorophenyl)phenyl]-3-methylquinoline-4-carboxylic acid sodium salt

**Alternate Names:** DuP-785; NSC 368390

**Molecular Formula:** C<sub>23</sub>H<sub>14</sub>F<sub>2</sub>NO<sub>2</sub>·Na

**Formula Weight:** 397.35

**CAS Number:** 96201-88-6

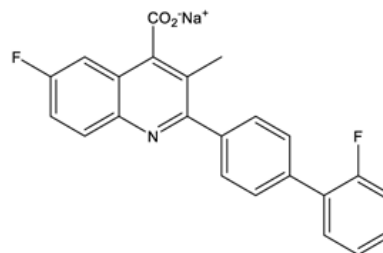
**Purity:** >99%

**Formulation:** Powder

**Solubility:** Soluble in DMSO (up to at least 25 mg/ml) or in Water (up to 15 mg/ml with warming)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

Dihydroorotate dehydrogenase inhibitor, antiviral

### Functions

Inhibitor of dihydroorotate dehydrogenase (DHODH) with IC<sub>50</sub>'s between 0.2 and 5.8 μM in various cell lines<sup>3</sup> and 20 nM for isolated enzyme. Reduced leukemic cell burden, decreased levels of leukemia-initiating cells, and improved survival in human and mouse models of acute myeloid leukemia. Displays broad antiviral activity against flaviviruses, positive-strand RNA alphaviruses, negative-strand RNA rhabdoviruses, Influenza A and B viruses, and HIV.

### Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in Water (up to 15 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 1 month.

**For research use only.**