

Product Data Sheet

Product Name: DX-8951 Hydroxy-acid sodium

Cat. No.: GC81606

Chemical Properties

Cas. No.

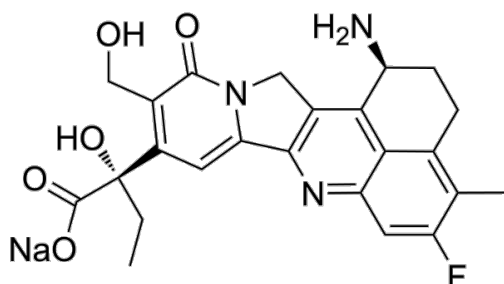
Formula $C_{24}H_{23}FN_3NaO_5$ M.Wt 475.44

Solubility DMSO: 25 mg/mL (52.58 mM; Need ultrasonic and warming) Storage Store at -20°C, sealed storage, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

DX-8951 Hydroxy-acid sodium is a prodrug of phosphoramidate. DX-8951 Hydroxy-acid sodium can effectively increase intracellular ATP levels. DX-8951 Hydroxy-acid sodium activates the AMPK signaling pathway by increasing the AMP/ATP ratio. DX-8951 Hydroxy-acid sodium can enhance mitochondrial function and antioxidant capacity while reducing reactive oxygen species (ROS) levels. DX-8951 Hydroxy-acid sodium has shown significant anti-aging and longevity effects in both human fibroblast and nematode models [1].

Caution: Product has not been fully validated for medical applications. For research use only.

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