

Product Data Sheet

Product Name: AMX12006

Cat. No.: GC91088

Chemical Properties

Cas. No. 2639775-01-0

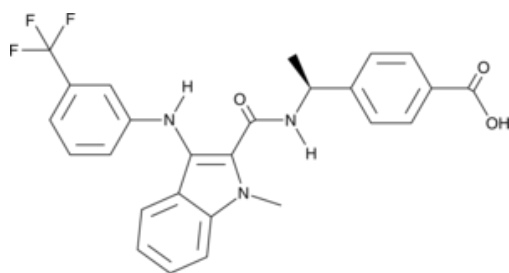
Formula $C_{26}H_{22}F_3N_3O_3$ M.Wt 481.5

Solubility DMF: 20 mg/ml, DMSO: 10 mg/ml, Ethanol: 1 mg/ml Storage Store at -20°C

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

AMX12006 is an antagonist of the prostaglandin E_2 (PGE_2) receptor subtype EP_4 ($IC_{50} = 4.3$ nM).¹ It is selective for EP_4 over EP_1 , EP_2 , and EP_3 receptors ($IC_{50}s = >10$ μ M for all). AMX12006 is cytotoxic to MCF-7 and 4T1 breast and CT26 colon cancer cells ($IC_{50}s = 46.73$, 79.47, and 41.39 μ M, respectively). It reduces tumor volume alone or in combination with the 5-fluorouracil prodrug capecitabine in CT26 murine colon cancer models when administered at a dose of 150 mg/kg.

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

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