

Catalog	Unit
TBI2863-1G	1 g
TBI2863-5G	5 g

Product Details

Formal Name: 5,5'-[(2-Hydroxy-1,3-propanediyl)bis(oxy)]bis(4-oxo-4H-1-benzopyran-2-carboxylic Acid), Disodium Salt Hydrate

Alternate Names: Disodium cromoglicate

Molecular Formula: C₂₃H₁₄Na₂O₁₁

Formula Weight: 512.3

CAS Number: 15826-37-6

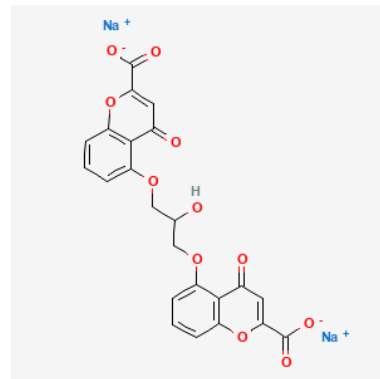
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (5 mg/ml) or Water (50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Mast cell stabilizer; Stem cell differentiator.

Functions

Cromolyn sodium is a mast cell stabilizer that is in clinical use as an antiasthmatic agent. It reduces LPS-induced pulmonary fibrosis by inhibition of epithelial-mesenchymal transition. It has been demonstrated to facilitate the differentiation of human induced pluripotent and human embryonic stem cells into pancreatic endocrine cells via inhibition of bone morphogenetic protein 4 signaling.

Application Procedures

First dissolved in DMSO (5 mg/ml) or Water (50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or water may be stored at -20°C for up to 2 months.

For research use only.