

Catalog Number: CM18400

产品信息

Catalog Number:
CM18400

CAS号:
160369-85-7

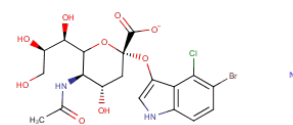
分子式:
C₁₉H₂₁BrClN₂NaO₉

主要靶点:
Others

主要通路:
其他

分子量:
559.72

溶解度:
DMSO:60 mg/ml (107.2 mM)



体外活性

X-Neu5Ac was hydrolyzed by neuraminidase to release a halogenated product undergoing rapid aerobic oxidation to form the dark blue pigment. Preliminary kinetic studies indicated that X-Neu5Ac was a good and stable substrate for neuraminidase. In addition, X-Neu5Ac would also be hydrolyzed mutant enzymes

体内活性

To visualize extracellular sialidase activity on the membrane surface in the rat brain, acute brain slices were incubated with X-Neu5Ac at pH 7.3. After 1h, myelin-abundant regions showed intense fluorescence in the rat brain. Although the hippocampus showed weak fluorescence in the brain, mossy fiber terminals in the hippocampus showed relatively intense fluorescence. In addition, the fluorescence intensities caused by X-Neu5Ac was correlated with the sialidase activity. Therefore, staining with X-Neu5Ac was specific for sialidase and useful for quantitative analysis of sialidase activities [1].

描述

X-NeuNAC is a new chromogenic assay substrate of neuraminidase activity in bacterial expression systems.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years