

Catalog Number: CM04700

产品信息

Catalog Number:
CM04700

CAS号:
1204669-58-8

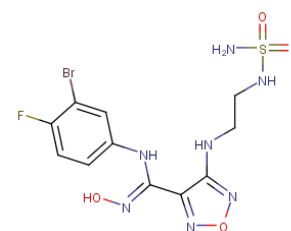
分子式:
 $C_{11}H_{13}BrFN_7O_4S$

主要靶点:
Indoleamine 2,3-Dioxygenase (IDO)/IDO

主要通路:
代谢

分子量:
436.99

溶解度:
Ethanol:53 mg/mL (120.94 mM), DMSO:79 mg/mL (180.8 mM)



靶点活性

IDO1:10 nM

体外活性

In IFN- γ -treated human HeLa cells, INC024360 potently inhibits kynurenine production. INC024360 also promotes T and natural killer (NK)-cell growth, increases IFN-gamma production, and reduces conversion to regulatory T (T(reg))-like cells. [1]

体内活性

INC024360 (100 mg/kg, p.o.), via IDO1 inhibition, suppresses kyn generation and tumor growth in immunocompetent, but not immunodeficient, mice. [1] In mice bearing CT26 colon carcinoma, INC024360 (100 mg/kg, p.o.) also inhibits the growth of IDO-expressing tumors by reducing kynurenine. [2]

细胞实验

INC024360 (INC024360) is dissolved in DMSO and stored, and then diluted with appropriate media before use[1]. To determine INC024360 activity against IDO in recombinant cells, HEK293/MSR cells are transiently transfected with full-length human or mouse IDO1, or mouse IDO2 cDNA, with Transit-293 transfection reagent or Lipofectamine 2000 reagents. INC024360 at different concentrations is added to the recovered transfected cells seeded at 2×10^4 cells per well in a 96-well plate (200 μ L/well). The cells are incubated for 2 days, and kyn in the supernatants is measured as described in the HeLa cell assay. The tryptophan 2,3-dioxygenase (TDO) assay is performed similarly with HEK293/MSR cells transfected with a human TDO expression vector[1].

描述

Epacadostat is an oral-available inhibitor of indoleamine 2, 3-dioxygenase (IDO1), increasing the proliferation and activation of various immune cells and reducing tumor-associated regulatory T cells.

储存

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