

Product Name : LLS30

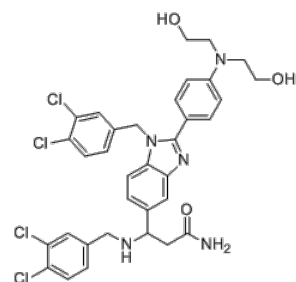
Synonyms : LLS-30

Cat No. : M13409

CAS Number : 2138367-58-3

Molecular Formula : C₃₄H₃₃Cl₄N₅O₃

Formula Weight : 701.47



Chemical Name : 3-(2-(4-bis(2-hydroxyethyl)amino)phenyl)-1-(3,4-dichlorobenzyl)-1H-benzo[d]imidazol-5-yl)-3-((3,4-dichlorobenzyl)amino)propanamide

Description : LLS30 is a potent, allosteric Galectin-1 (Gal-1) inhibitor, inhibits AR negative cells PC3, DU145, and AR positive cells, 22RV1 and CWR-R1 cells with IC₅₀ of 10.4 μM, 5.3 μM, 3.3 μM and 5.9 μM, respectively; decreases Gal-1 binding affinity to its binding partners; shows in vivo efficacy in both AR positive and AR negative xenograft models; not only can potentiate the anti-tumor effect of docetaxel to cause complete regression of tumors, but also effectively inhibit the invasion and metastasis of PCa cells in vivo.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Galectin

Receptor : Galectin

Solubility : —

SMILES : O=C(N)CC(C1=CC=C2N(CC3=CC=C(Cl)C(Cl)=C3)C(C4=CC=C(N(CCO)CCO)C=C4)=NC2=C1)NCC5=CC=C(Cl)C(Cl)=C5

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shih TC, et al. Clin Cancer Res. 2018 Apr 17; pii: clincanres.0157.2018.