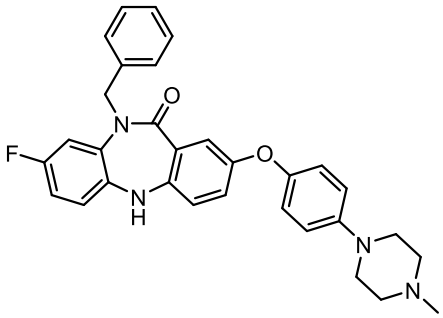
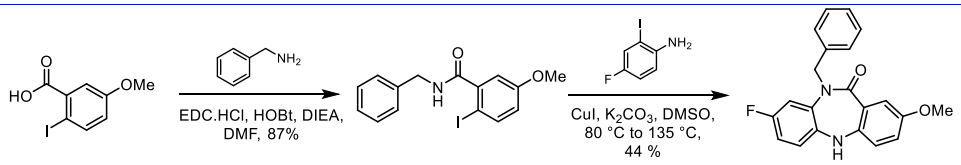
DDC-03-024-01

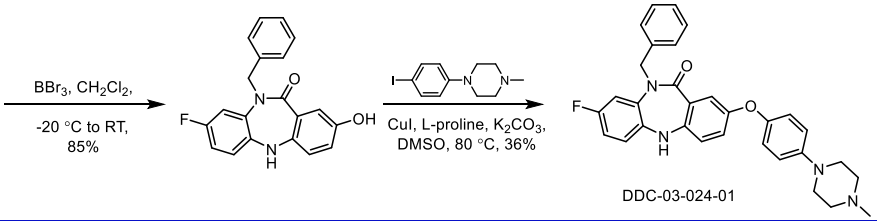


Chemical Formula: $C_{31}H_{29}FN_4O_2$
Molecular Weight: 508.60

Category	Parameter	Description
Compound	Name	DDC-03-024-01
	Citation	*ACS Med. Chem. Lett*. **2019**,*10*, 1549-1553 https://doi.org/10.1021/acsmedchemlett.9b00381
	Chemical descriptors	FC1=CC=C2C(N(CC3=CC=CC=C3)C(C4=C(N2)C=CC (OC5=CC=C(N6CCN(C)CC6)C=C5)=C4)=O)=C1
	Chemical name	10-benzyl-8-fluoro-2-(4-(4-methylpiperazin-1-yl)phenoxy)-5,10-dihydro-11*H*-dibenzo[*b*,*e*][1,4]diazepin-11-one
	Entries in chemical databases	N/A
	Availability	N/A
	Papers that use the compounds	N/A
	Additional comments	
In vitro profiling	Target (potency)	EGFR L858R (IC_{50} = 154 nM), EGFR L858R/T790M (IC_{50} = 11 nM), EGFR L858R/T790M/C797S (IC_{50} = 13 nM)
	Target (potency)	Put other target (potency), add more line if you have more targets
	Selectivity	N/A
	Potential reactivity	N/A
	SAR	Described in this paper
	Mechanism of inhibition	Allosteric EGFR inhibition
	Structure of target-probe complex	PDB 6P1D (analog DDC4002)
	Additional comments	
Cellular profiling	Validation of cellular target	Using EGFR-dependent Ba/F3 cells
	Validation of cellular specificity	N/A
	Additional comments	
Pharmacodynamics	N/A	
Pharmacokinetics	N/A	



Synthetic scheme



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