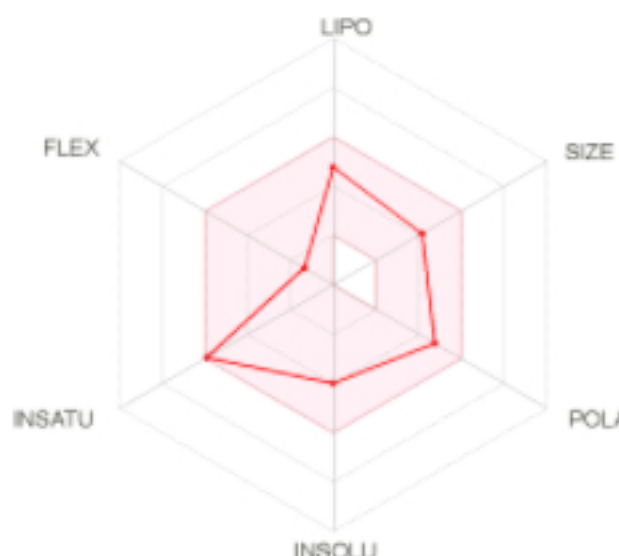
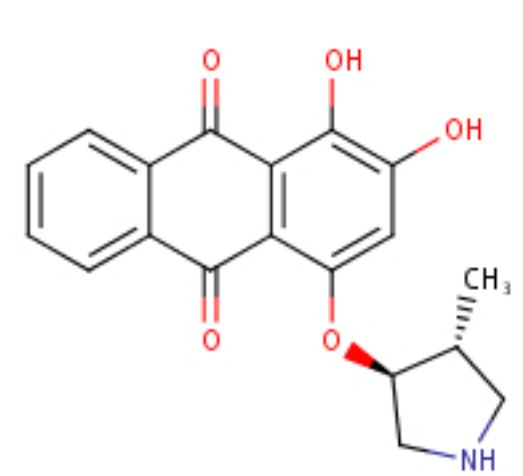


SMILES O=C@@H1CN(C[C@@H1O])C(=O)C(=O)Nc1cccnc1

Physicochemical Properties	
Formula	C11H13N3O4
Molecular weight	251.24 g/mol
Num. heavy atoms	18
Num. arom. heavy atoms	6
Fraction Csp3	0.36
Num. rotatable bonds	4
Num. H-bond acceptors	5
Num. H-bond donors	3
Molar Refractivity	65.00
TPSA ²	102.76 Å²
Lipophilicity	
Log <i>P</i> _{o/w} (iLOGP) ²	0.67
Log <i>P</i> _{o/w} (XLOGP3) ²	-1.54
Log <i>P</i> _{o/w} (WLOGP) ²	-1.99
Log <i>P</i> _{o/w} (MLOGP) ²	-1.81
Log <i>P</i> _{o/w} (SILICOS-IT) ²	-1.07
Consensus Log <i>P</i> _{o/w} ²	-1.15

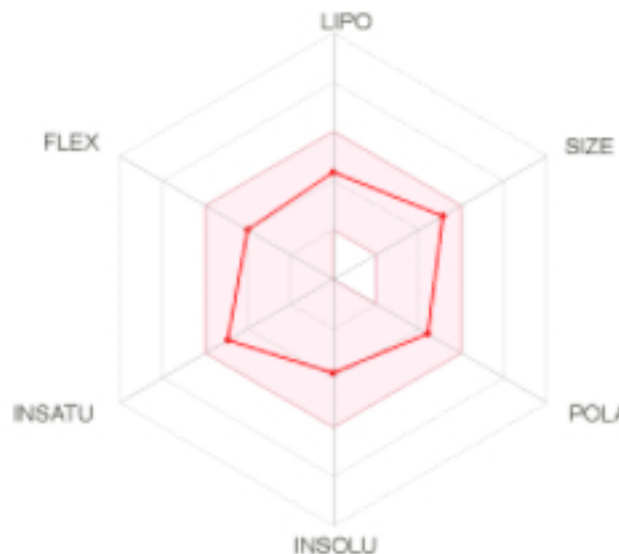
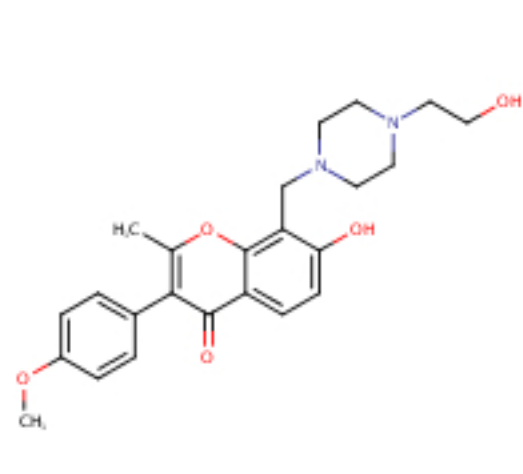
	Water Solubility
Log S (ESOL) ²	-0.41
Solubility	9.77e+01 mg/ml ; 3.89e-01 mol/l
Class ²	Very soluble
Log S (Ali) ²	-0.11
Solubility	1.95e+02 mg/ml ; 7.74e-01 mol/l
Class ²	Very soluble
Log S (SILICOS-IT) ²	-0.81
Solubility	3.86e+01 mg/ml ; 1.53e-01 mol/l
Class ²	Soluble
	Pharmacokinetics
GI absorption ²	High
BBB permeant ²	No
P-gp substrate ²	No
CYP1A2 inhibitor ²	No
CYP2C19 inhibitor ²	No
CYP2C9 inhibitor ²	No
CYP2D6 inhibitor ²	No
CYP3A4 inhibitor ²	No
Log K _p (skin permeation) ²	-8.93 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: WLOGP<-0.4
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.55
	Medicinal Chemistry
PAINS ²	0 alert
Brenk ²	1 alert: diketo_group ²
Leadlikeness ²	Yes
Synthetic accessibility ²	2.87



SMILES C[C@@H]1CNC[C@H]1Oc1cc(O)c(c2c1C(=O)c1cccc1C2=O)O

Physicochemical Properties	
Formula	C19H17NO5
Molecular weight	339.34 g/mol
Num. heavy atoms	25
Num. arom. heavy atoms	12
Fraction Csp3	0.26
Num. rotatable bonds	2
Num. H-bond acceptors	6
Num. H-bond donors	3
Molar Refractivity	94.12
TPSA ^①	95.86 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ^②	1.81
Log <i>P</i> _{OW} (XLOGP3) ^②	2.88
Log <i>P</i> _{OW} (WLOGP) ^②	1.48
Log <i>P</i> _{OW} (MLOGP) ^②	0.51
Log <i>P</i> _{OW} (SILICOS-IT) ^②	2.65
Consensus Log <i>P</i> _{OW} ^②	1.87

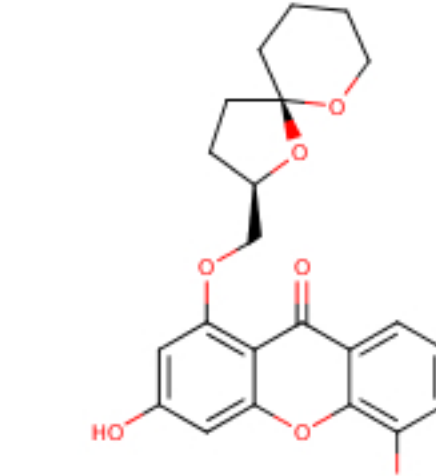
	Water Solubility
Log S (ESOL) ²	-3.98
Solubility	3.54e-02 mg/ml ; 1.04e-04 mol/l
Class ²	Soluble
Log S (Ali) ²	-4.55
Solubility	9.50e-03 mg/ml ; 2.80e-05 mol/l
Class ²	Moderately soluble
Log S (SILICOS-IT) ²	-4.89
Solubility	4.39e-03 mg/ml ; 1.29e-05 mol/l
Class ²	Moderately soluble
	Pharmacokinetics
GI absorption ²	High
BBB permeant ²	No
P-gp substrate ²	Yes
CYP1A2 inhibitor ²	No
CYP2C19 inhibitor ²	No
CYP2C9 inhibitor ²	No
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	Yes
Log K _p (skin permeation) ²	-6.33 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	Yes
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.55
	Medicinal Chemistry
PAINS ²	2 alerts: catechol_A, quinone_A ²
Brenk ²	1 alert: catechol ²
Leadlikeness ²	Yes
Synthetic accessibility ²	3.72



SMILES OCCN1CCN(CC1)Cc1c(O)ccc2c1oc(C)c(c2=O)c1ccc(cc1)OC

Physicochemical Properties	
Formula	C24H28N2O5
Molecular weight	424.49 g/mol
Num. heavy atoms	31
Num. arom. heavy atoms	16
Fraction Csp3	0.38
Num. rotatable bonds	6
Num. H-bond acceptors	7
Num. H-bond donors	2
Molar Refractivity	127.88
TPSA ^②	86.38 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ^②	3.66
Log <i>P</i> _{OW} (XLOGP3) ^②	2.13
Log <i>P</i> _{OW} (WLOGP) ^②	1.68
Log <i>P</i> _{OW} (MLOGP) ^②	0.70
Log <i>P</i> _{OW} (SILICOS-IT) ^②	3.74
Consensus Log <i>P</i> _{OW} ^②	2.38

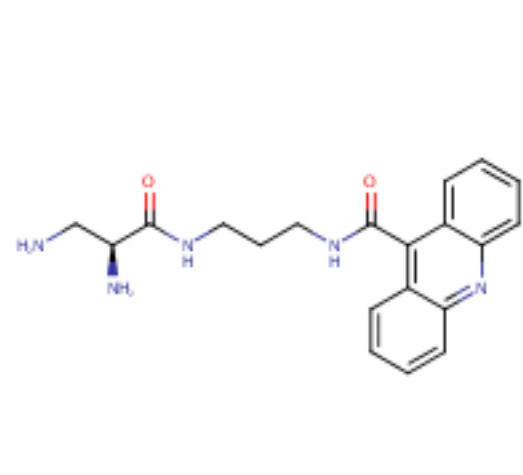
	Water Solubility
Log S (ESOL) ²	-3.80
Solubility	6.73e-02 mg/ml ; 1.59e-04 mol/l
Class ²	Soluble
Log S (Ali) ²	-3.58
Solubility	1.13e-01 mg/ml ; 2.66e-04 mol/l
Class ²	Soluble
Log S (SILICOS-IT) ²	-6.39
Solubility	1.73e-04 mg/ml ; 4.08e-07 mol/l
Class ²	Poorly soluble
	Pharmacokinetics
GI absorption ²	High
BBB permeant ²	No
P-gp substrate ²	Yes
CYP1A2 inhibitor ²	No
CYP2C19 inhibitor ²	No
CYP2C9 inhibitor ²	No
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	Yes
Log K _p (skin permeation) ²	-7.38 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	Yes
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.55
	Medicinal Chemistry
PAINS ²	1 alert: mannich_A ²
Brenk ²	0 alert
Leadlikeness ²	No; 1 violation: MW>350
Synthetic accessibility ²	3.89



SMILES Oc1cc(OC[C@H]2CC[C@]3(O2)CCCCO3)c2c(c1)oc1c(c2=O)cccc1

Physicochemical Properties	
Formula	C22H22O7
Molecular weight	398.41 g/mol
Num. heavy atoms	29
Num. arom. heavy atoms	14
Fraction Csp3	0.41
Num. rotatable bonds	3
Num. H-bond acceptors	7
Num. H-bond donors	2
Molar Refractivity	106.96
TPSA ²	98.36 Å²
Lipophilicity	
Log $P_{O/W}$ (iLOGP) ²	2.75
Log $P_{O/W}$ (XLOGP3) ²	3.31
Log $P_{O/W}$ (WLOGP) ²	3.81
Log $P_{O/W}$ (MLOGP) ²	1.25
Log $P_{O/W}$ (SILICOS-IT) ²	3.67

	Water Solubility
Log S (ESOL) ²	-4.55
Solubility	1.11e-02 mg/ml ; 2.79e-05 mol/l
Class ²	Moderately soluble
Log S (Ali) ²	-5.05
Solubility	3.54e-03 mg/ml ; 8.88e-06 mol/l
Class ²	Moderately soluble
Log S (SILICOS-IT) ²	-5.66
Solubility	8.66e-04 mg/ml ; 2.17e-06 mol/l
Class ²	Moderately soluble
	Pharmacokinetics
GI absorption ²	High
BBB permeant ²	No
P-gp substrate ²	Yes
CYP1A2 inhibitor ²	No
CYP2C19 inhibitor ²	No
CYP2C9 inhibitor ²	Yes
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	Yes
Log K _p (skin permeation) ²	-6.38 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	Yes
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.55
	Medicinal Chemistry
PAINS ²	0 alert
Brenk ²	1 alert: polycyclic_aromatic_hydrocarbon_2 ²
Leadlikeness ²	No; 1 violation: MW>350
Synthetic accessibility ²	5.20



SMILES NC[C@@H](C(=O)NCCCNC(=O)c1c2ccccc2nc2c1cccc2)N

Physicochemical Properties	
Formula	C20H23N5O2
Molecular weight	365.43 g/mol
Num. heavy atoms	27
Num. arom. heavy atoms	14
Fraction Csp3	0.25
Num. rotatable bonds	9
Num. H-bond acceptors	5
Num. H-bond donors	4
Molar Refractivity	104.70
TPSA ^②	123.13 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ^②	1.93
Log <i>P</i> _{OW} (XLOGP3) ^②	0.66
Log <i>P</i> _{OW} (WLOGP) ^②	0.91
Log <i>P</i> _{OW} (MLOGP) ^②	0.60
Log <i>P</i> _{OW} (SILICOS-IT) ^②	1.86
Consensus Log <i>P</i> _{OW} ^②	1.19

	Water Solubility
Log S (ESOL) ²	-2.31
Solubility	1.79e+00 mg/ml ; 4.88e-03 mol/l
Class ²	Soluble
Log S (Ali) ²	-2.82
Solubility	5.51e-01 mg/ml ; 1.51e-03 mol/l
Class ²	Soluble
Log S (SILICOS-IT) ²	-6.28
Solubility	1.93e-04 mg/ml ; 5.28e-07 mol/l
Class ²	Poorly soluble
	Pharmacokinetics
GI absorption ²	High
BBB permeant ²	No
P-gp substrate ²	Yes
CYP1A2 inhibitor ²	No
CYP2C19 inhibitor ²	No
CYP2C9 inhibitor ²	No
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	No
Log K _p (skin permeation) ²	-8.06 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	Yes
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.55
	Medicinal Chemistry
PAINS ²	0 alert
Brenk ²	1 alert: polycyclic_aromatic_hydrocarbon_2 ²