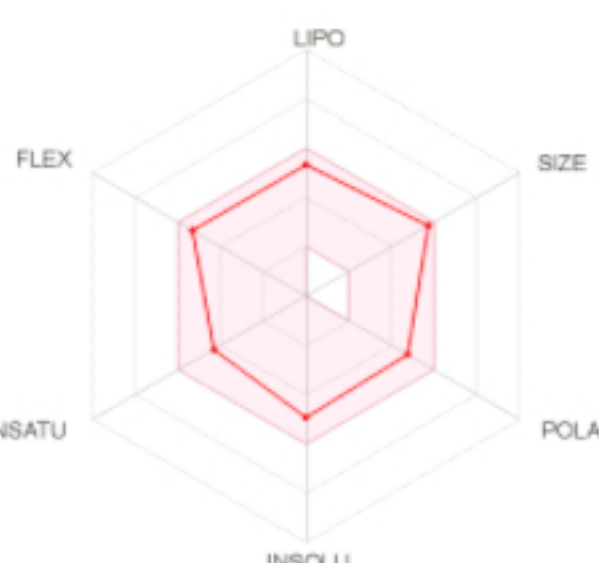
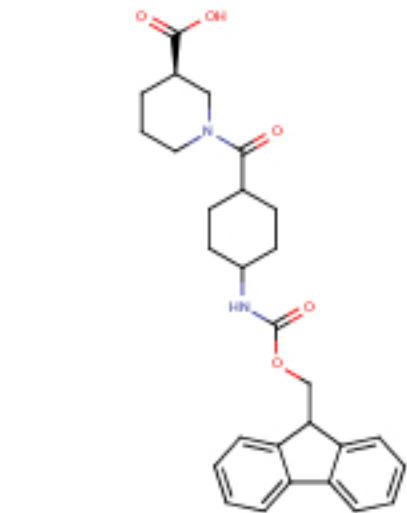


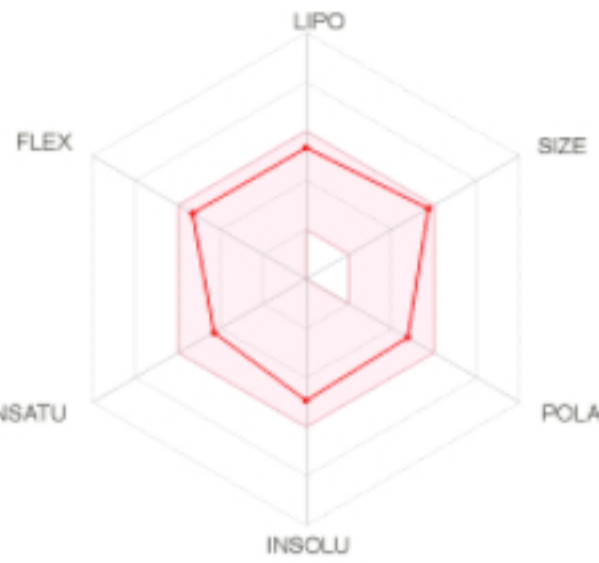
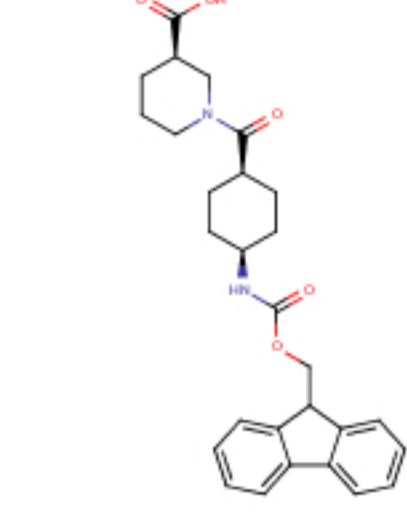
Physicochemical Properties	
Formula	C27H30N2O5
Molecular weight	462.54 g/mol
Num. heavy atoms	34
Num. arom. heavy atoms	12
Fraction Csp3	0.37
Num. rotatable bonds	9
Num. H-bond acceptors	5
Num. H-bond donors	2
Molar Refractivity	132.60
TPSA ²	95.94 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ²	3.02
Log <i>P</i> _{OW} (XLOGP3) ²	3.57
Log <i>P</i> _{OW} (WLOGP) ²	3.80
Log <i>P</i> _{OW} (MLOGP) ²	2.90
Log <i>P</i> _{OW} (SILICOS-IT) ²	3.85
Consensus Log <i>P</i> _{OW} ²	3.43

	Water Solubility
Log S (ESOL) ²	-4.62
Solubility	1.10e-02 mg/ml ; 2.38e-05 mol/l
Class ²	Moderately soluble
Log S (Ali) ²	-5.27
Solubility	2.48e-03 mg/ml ; 5.36e-06 mol/l
Class ²	Moderately soluble
Log S (SILICOS-IT) ²	-6.27
Solubility	2.50e-04 mg/ml ; 5.40e-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	Yes
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	Yes
Log K _p (skin permeation) ²	-6.59 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: MR>130
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.56
	Medicinal Chemistry
PAINS ²	0 alert
Brenk ²	1 alert: michael_acceptor_1 ²
Leadlikeness ²	No; 3 violations: MW>350, Rotors>7, XLOGP3>3.5
Quantitative solubility ²	4.62



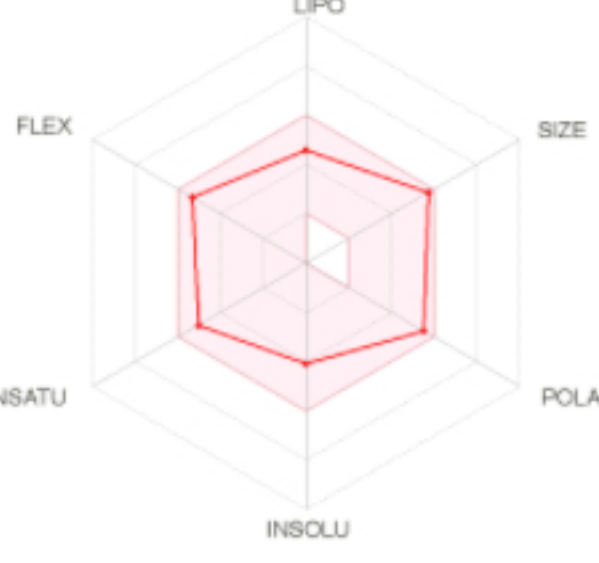
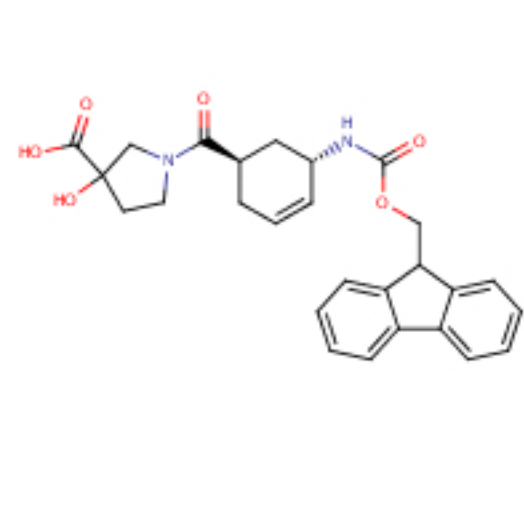
Physicochemical Properties	
Formula	C28H32N2O5
Molecular weight	476.56 g/mol
Num. heavy atoms	35
Num. arom. heavy atoms	12
Fraction Csp3	0.46
Num. rotatable bonds	8
Num. H-bond acceptors	5
Num. H-bond donors	2
Molar Refractivity	136.02
TPSA [Ⓢ]	95.94 Å²
Lipophilicity	
Log P_{OW} (iLOGP) [Ⓢ]	2.73
Log P_{OW} (XLOGP3) [Ⓢ]	3.81
Log P_{OW} (WLOGP) [Ⓢ]	4.03
Log P_{OW} (MLOGP) [Ⓢ]	3.18
Log P_{OW} (SILICOS-IT) [Ⓢ]	3.33
Consensus Log P_{OW} [Ⓢ]	3.41

	Water Solubility
Log <i>S</i> (ESOL) ²	-4.92
Solubility	5.72e-03 mg/ml ; 1.20e-05 mol/l
Class ²	Moderately soluble
Log <i>S</i> (Ali) ²	-5.52
Solubility	1.44e-03 mg/ml ; 3.02e-06 mol/l
Class ²	Moderately soluble
Log <i>S</i> (SILICOS-IT) ²	-5.97
Solubility	5.09e-04 mg/ml ; 1.07e-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 <i>K_p</i> (skin permeation) ²	-6.50 cm/s
Druglikeness	
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: MR>130
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.56
Medicinal Chemistry	
PAINS ²	0 alert
Brenk ²	0 alert
Leadlikeness ²	No; 3 violations: MW>350, Rotors>7, XLOGP3>3.5
Synthetic accessibility ²	4.87



Physicochemical Properties	
Formula	C28H32N2O5
Molecular weight	476.56 g/mol
Num. heavy atoms	35
Num. arom. heavy atoms	12
Fraction Csp3	0.46
Num. rotatable bonds	8
Num. H-bond acceptors	5
Num. H-bond donors	2
Molar Refractivity	136.02
TPSA ²	95.94 Å²
Lipophilicity	
Log $P_{O/W}$ (iLOGP) ²	3.13
Log $P_{O/W}$ (XLOGP3) ²	3.81
Log $P_{O/W}$ (WLOGP) ²	4.03
Log $P_{O/W}$ (MLOGP) ²	3.18
Log $P_{O/W}$ (SILICOS-IT) ²	3.33
Consensus Log $P_{O/W}$ ²	3.49

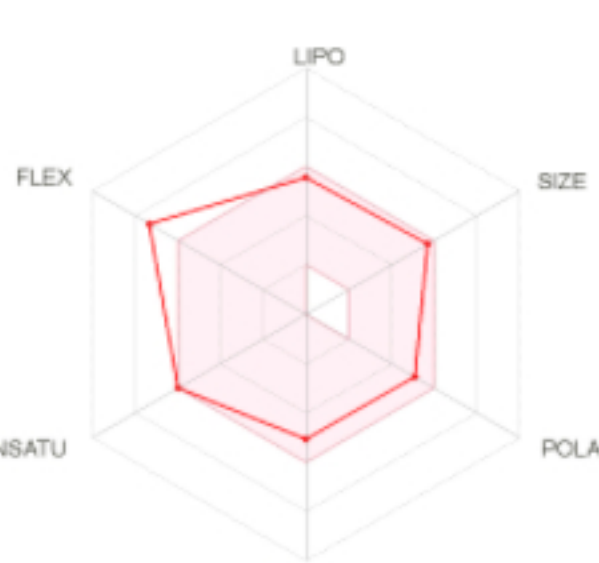
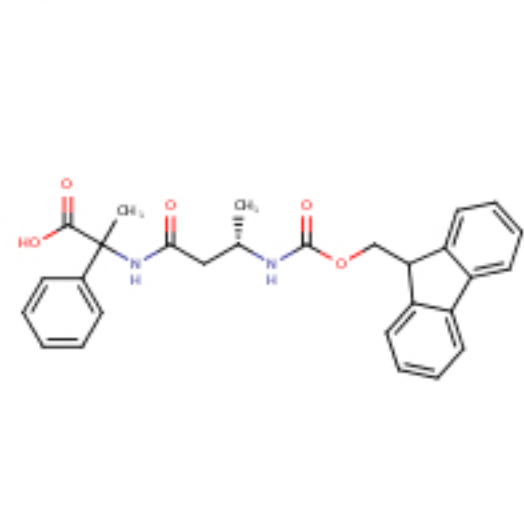
	Water Solubility
Log <i>S</i> (ESOL) ²	-4.92
Solubility	5.72e-03 mg/ml ; 1.20e-05 mol/l
Class ²	Moderately soluble
Log <i>S</i> (Alii) ²	-5.52
Solubility	1.44e-03 mg/ml ; 3.02e-06 mol/l
Class ²	Moderately soluble
Log <i>S</i> (SILICOS-IT) ²	-5.97
Solubility	5.09e-04 mg/ml ; 1.07e-06 mol/l
Class ²	Moderately 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 <i>K_p</i> (skin permeation) ²	-6.50 cm/s
Druglikeness	
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: MR>130
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.56
Medicinal Chemistry	
PAINS ²	0 alert
Brenk ²	0 alert
Leadlikeness ²	No; 3 violations: MW>350, Rotors>7, XLOGP3>3.5
Synthetic accessibility ²	4.87



Formula	C27H28N2O6
Molecular weight	476.52 g/mol
Num. heavy atoms	35
Num. arom. heavy atoms	12
Fraction Csp3	0.37
Num. rotatable bonds	8
Num. H-bond acceptors	6
Num. H-bond donors	3
Molar Refractivity	131.94
TPSA ^⑦	116.17 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ^⑦	2.36
Log <i>P</i> _{OW} (XLOGP3) ^⑦	2.51
Log <i>P</i> _{OW} (WLOGP) ^⑦	2.53
Log <i>P</i> _{OW} (MLOGP) ^⑦	2.12
Log <i>P</i> _{OW} (SILICOS-IT) ^⑦	2.19
Consensus Log <i>P</i> _{OW} ^⑦	2.34

	Water Solubility
Log <i>S</i> (ESOL) ²	-4.10
Solubility	3.77e-02 mg/ml ; 7.92e-05 mol/l
Class ²	Moderately soluble
Log <i>S</i> (Ali) ²	-4.60
Solubility	1.21e-02 mg/ml ; 2.54e-05 mol/l
Class ²	Moderately soluble
Log <i>S</i> (SILICOS-IT) ²	-4.87
Solubility	6.46e-03 mg/ml ; 1.36e-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	Yes
CYP2D6 inhibitor ²	No
CYP3A4 inhibitor ²	No
Log <i>K_p</i> (skin permeation) ²	-7.42 cm/s
Druglikeness	
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: MR>130
Veber ²	Yes
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.56
Medicinal Chemistry	
PAINS ²	0 alert
Brenk ²	1 alert: isolated_alkene ²
Leadlikeness ²	No; 2 violations: MW>350, Rotors>7

①



Physicochemical Properties	
Formula	C28H28N2O5
Molecular weight	472.53 g/mol
Num. heavy atoms	35
Num. arom. heavy atoms	18
Fraction Csp3	0.25
Num. rotatable bonds	11
Num. H-bond acceptors	5
Num. H-bond donors	3
Molar Refractivity	131.77
TPSA ^①	104.73 Å²
Lipophilicity	
Log <i>P</i> _{OW} (iLOGP) ^②	2.74
Log <i>P</i> _{OW} (XLOGP3) ^②	4.22
Log <i>P</i> _{OW} (WLOGP) ^②	4.31
Log <i>P</i> _{OW} (MLOGP) ^②	2.96
Log <i>P</i> _{OW} (SILICOS-IT) ^②	4.11
Consensus Log <i>P</i> _{OW} ^②	3.67

	Water Solubility
Log S (ESOL) ²	-5.08
Solubility	3.90e-03 mg/ml ; 8.26e-06 mol/l
Class ²	Moderately soluble
Log S (Ali) ²	-6.13
Solubility	3.51e-04 mg/ml ; 7.42e-07 mol/l
Class ²	Poorly soluble
Log S (SILICOS-IT) ²	-8.12
Solubility	3.58e-06 mg/ml ; 7.57e-09 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	Yes
CYP2D6 inhibitor ²	Yes
CYP3A4 inhibitor ²	Yes
Log K _p (skin permeation) ²	-6.19 cm/s
	Druglikeness
Lipinski ²	Yes; 0 violation
Ghose ²	No; 1 violation: MR>130
Veber ²	No; 1 violation: Rotors>10
Egan ²	Yes
Muegge ²	Yes
Bioavailability Score ²	0.56
	Medicinal Chemistry
PAINS ²	0 alert
Brenk ²	0 alert