AARVI CHEM AI — SYNTHESIS REPORT

Target SMILES: CC1=C2[C@H](C(=O)[C@@]3([C@H](C[C@@H]4[C@]([C@H]3[C@@H]([C@@](C2(C)C)(C[C@@H]1OC(=O)[C@@H]([C@H](C5=CC=CC=C5)NC(=O)C6=CC=CC=C6)O)O)OC(=O)C7=CC=CC=C7)(CO4)OC(=O)C)O)C)OC(=O)C
Overall Confidence: 0.5

Selected Best Route

Route Score: 0.35

Step 1 — amide formation

Reactants	Acid chloride, Amine
Solvent	DCM
Base	Et3N
Temperature	0–25 °C
Feasibility	0.5
Expected Yield	N/A
Warnings	None

Step 2 — sn2 substitution

Reactants	Alkyl halide, Nucleophile
Solvent	DMF
Base	K2CO3
Temperature	40–80 °C
Feasibility	0.5
Expected Yield	N/A
Warnings	None

Step 3 — sn2 substitution

Reactants	Alkyl halide, Nucleophile
Solvent	DMF
Base	K2CO3
Temperature	40–80 °C
Feasibility	0.5
Expected Yield	N/A
Warnings	None

Final Recommendation

Proceed with the selected route for laboratory synthesis. Steps with low confidence or yield may require optimization.