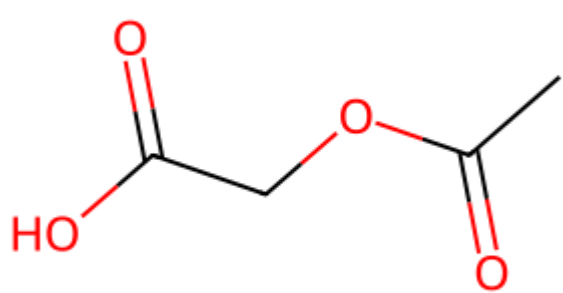




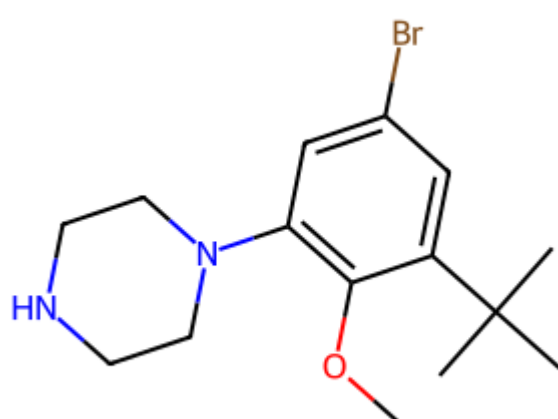
{'num_calls_rxn_model': 0,
'num_calls_value_function': 0,
'reaction_number': 9.347464597263683,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': 10.462594563554717,
'retro_star_value': 9.347464597263683,
'route_cost': 0.0}

Reaction

{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 9.347464597263683,
'retro_star_proven_reaction_number': 10.462594563554717,
'retro_star_rxn_cost': 5.980985016750109,
'retro_star_value': 9.347464597263683,
'route_cost': 1.0}



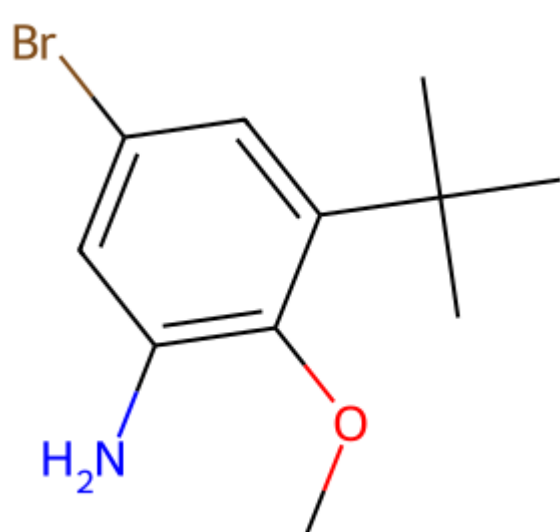
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 9.347464597263683,
'route_cost': 0.0}



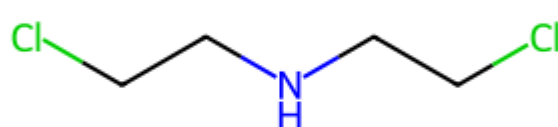
{'num_calls_rxn_model': 1,
'num_calls_value_function': 0,
'reaction_number': 3.366479580513573,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': 4.481609546804608,
'retro_star_value': 9.347464597263683,
'route_cost': 0.0}

Reaction

{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 3.8678991092606627,
'retro_star_proven_reaction_number': 9.232885634862111,
'retro_star_rxn_cost': 2.6322190179446605,
'retro_star_value': 9.848884126010772,
'route_cost': 1.0}



{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 1.2356800913160022,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': inf,
'retro_star_proven_reaction_number': 6.60066661691745,
'retro_star_value': 9.848884126010772,
'route_cost': 0.0}



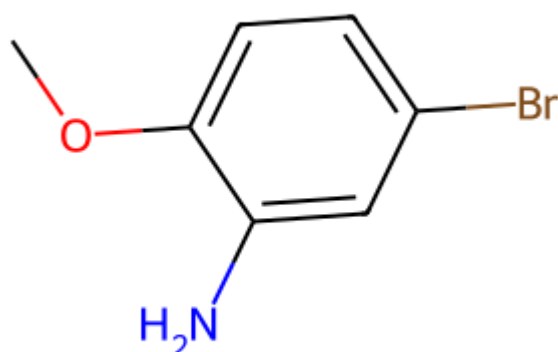
{'num_calls_rxn_model': 2,
'num_calls_value_function': 1,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 9.848884126010772,
'route_cost': 0.0}

Reaction

{'num_calls_rxn_model': 7,
'num_calls_value_function': 7,
'reaction_number': 6.864746830027493,
'retro_star_proven_reaction_number': 6.864746830027493,
'retro_star_rxn_cost': 6.864746830027493,
'retro_star_value': 15.477950864722263,
'route_cost': 1.0}



{'num_calls_rxn_model': 7,
'num_calls_value_function': 7,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 15.477950864722263,
'route_cost': 0.0}



{'num_calls_rxn_model': 7,
'num_calls_value_function': 7,
'reaction_number': 0.0,
'reaction_number_estimate': 0.0,
'retro_star_mol_cost': 0.0,
'retro_star_proven_reaction_number': 0.0,
'retro_star_value': 15.477950864722263,
'route_cost': 0.0}