Parameter	AZD7009
Molecular weight (Da)	446.5
logP	3
K_p factor used in simulations; rat / human	1 / 0.7
Base pKa	9.7
Binding to plasma (% free); rat / human	65 / 34
Solubility (µmol/L)	449
Caco-2 permeability in apical to basolateral direction, pH6.5 to 7.4 ($x10^{-6}$ cm/s)	1.9
Caco-2 permeability in apical to basolateral direction with quinidine, pH6.5 to 7.4 ($x10^{-6}$ cm/s)	5.8
Permeability used in simulations ($x10^{-6}$ cm/s); rat / human	5 / 5.8
Liver microsomal CL_{int} (mL/min/kg); rat / human	85 / 8.2
CL_{int} used in simulations (mL/min/kg)	441 / 60
Human blood:plasma ratio	1.23
Human total plasma clearance (mL/min/kg)	16 ± 1.7
Human renal clearance (mL/min/kg)	2.9 ± 0.3
Human fraction of compound excreted unchanged in urine (%)	17 ± 1
F_{oral} (%); rat / human	36 ± 7 / 16 ± 4
Intestinal loss rate constants (min^{-1}); rat / human	ND / 0.1
Intestinal loss fractions from physiologically based PK simulations (%); rat / human	ND / 0.55