

## DOAC- PK Parameters

Adapted from Getting Treatment Just Right - Understanding Direct Oral Anticoagulants

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	Dabigatran	Rivaroxaban	Apixaban	Edoxaban	Betrixaban
<b>Bioavailability</b>	3-7%	80-100%	50%	62%	34%
<b>Time to peak</b>	1-3 h	2-4 h	3-4 h	1-2 h	3-4 h
<b>Volume of distribution</b>	50-70L	50L	21L	107L	32L/kg
<b>Protein binding</b>	35%	95%	87%	55%	60%
<b>Metabolism</b>	Hepatic (glucuronidation)	Hepatic (CYP3A4)	Hepatic (CYP3A4)	Hepatic (CYP3A4)	CYP-independent hydrolysis
<b>Renal Excretion</b>	80%	36%	27%	50%	11%
<b>Half life</b>	12-17 h	5-9 h	12 h	10-14 h	19-27 h
<b>Drug interactions</b>	Strong P-gp inhibitors/ Inducers	Strong P-gp & CYP3A4 inhibitors/ inducers	Strong P-gp & CYP3A4 inhibitors/ Inducers	Strong Pgp inhibitors/ Inducers	Strong P-gp inhibitors