

	DOSE RANGE	RELATIVE STRENGTH AT RECEPTOR				CLINICAL EFFECT			INDICATION
		α_1	β_1	β_2	Other	MAP	HR	CO	
PHENYLEPHRINE		■■■				↑	↓		Distributive shock
VASOPRESSIN					V1	↑		↓	Distributive shock
NOREPINEPHRINE		■■■	■■			↑	↑	↑	Distributive shock
EPINEPHRINE	2-10 mcg/min	■■	■■■	■■		↓	↑	↑	Cardiogenic shock
	10-20 mcg/min	■■■	■■■	■■		↑	↑	↑	Anaphylactic shock
DOBUTAMINE			■	■■		↓	↑	↑	Cardiogenic shock
MILRINONE					PD3	↓	↑	↑	Cardiogenic shock




α_1 : smooth muscle contraction, vasoconstriction

β_1 : positive chronotropy and inotropy

β_2 : smooth muscle relaxation, vasodilation

V1 : (vasopressin receptor) smooth muscle contraction

PD3 : (PDE-3 enzyme) smooth muscle contraction, negative inotropy
(milrinone is a PDE-3 inhibitor and inhibits the above activity)




 Receptor **agonist**. Intensity of colour correlates with relative strength of action at the receptor.


 Receptor **antagonist**.