

DIFFERENCE B/w PHYSOSTIGMINE & NEOSTIGMINE

	<u>Physostigmine</u>	<u>Neostigmine</u>
Source.	Natural alkaloid from physostigma venenosum	Synthetic.
Chemistry	3° amino derivative	4° ammonium compound
Oral absorption	Good	Poor
CNS actions	Present	Absent
Applied to eye	Penetrates cornea	poor penetration
Direct actions of N _m receptors	Absent	Present
Prominent effect	Autonomic effectors	Skeletal muscles.
Important use	Miosis	Myasthenia gravis.
Dose	0.1 - 1% eye drops	0.5 - 2.5 mg im/sc 15 - 30 mg orally
Duration of action	Systemic 4-6 hrs. in eye 8-24 hrs	3-4 hrs.