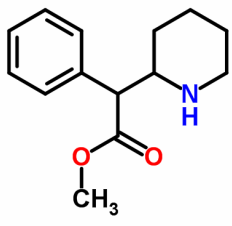


Name	METHYLPHENIDATE
Structure	
Systematic name	methyl phenyl(piperidin-2-yl)acetate
Formula	C ₁₄ H ₂₀ ClNO ₂
MW	269.767 (hydrochloride)
Monoisotopic mass	233.141579
Mp	224-226°C (hydrochloride)
H bond acceptors	3
H bond donors	1
Acid pKa	--
Basic pKa	9.09
ACD Log D pH 5.5	-0.55
ACD Log D pH 7.4	-0.28
Solubility	water, methanol, ethyl acetate
LD50	190 mg/Kg rat p.o.
Therapeutic cat	anti attention-deficit hyperactivity disorder
ATC	N06BA04 N NERVOUS SYSTEM N06 PSYCHOANALEPTICS N06B PSYCHOSTIMULANTS, AGENTS USED FOR ADHD AND NOOTROPICS N06BA Centrally acting sympathomimetics
Receptors	adrenergic (indirect)

Nomi commerciali (IT)	
RITALIN	A, stupef. Tab. II, compresse