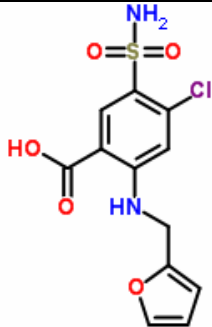


Name	<b>FUROSEMIDE</b>
Structure	
Systematic name	4-chloro-2-[(furan-2-ylmethyl)amino]-5-sulfamoylbenzoic acid
Formula	C <sub>12</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>5</sub> S
MW	330.744
Monoisotopic mass	330.007719869
Mp	205°C
H bond acceptors	7
H bond donors	4
Acid pKa	4.25 (carboxyl); 9.83 (sulphonamide)
Basic pka	--
ACD Log D pH 5.5	0.69
ACD Log D pH 7.4	-0.03
Solubility	water 0.006 mg/mL, methanol, basic soln.
LD50	2600 mg/Kg rat p.o.
Therapeutic cat	diuretic
ATC	<b>C03CA01</b> C CARDIOVASCULAR SYSTEM C03 DIURETICS C03C HIGH-CEILING DIURETICS C03CA Sulfonamides, plain
Receptors	Henle's loop Na <sup>+</sup> /K <sup>+</sup> /Cl <sup>-</sup> transportation

Nomi commerciali (IT)	
DIUREN, FUROSEMIDE, LASIX	A, RR, compresse, gocce, iniettabili