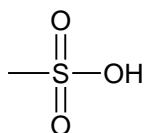


Mnova IUPAC Name (Part II)

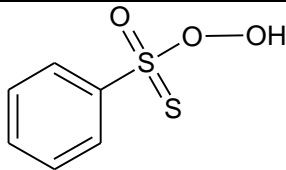
Once again let's speak about Mnova innovative approach that allows to generate correct IUPAC names for most of the possible modifications of suffix groups.

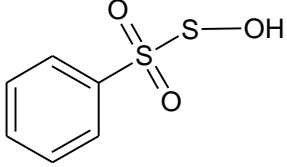
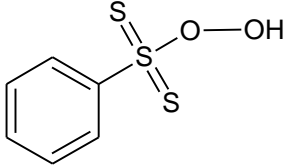
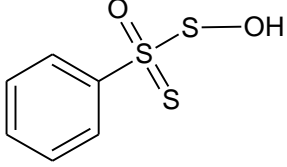
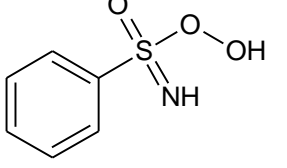
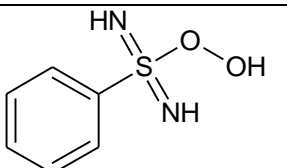
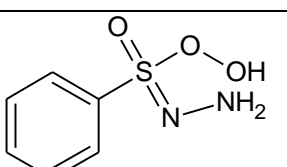
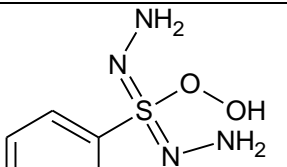
Let's look at the suffix group **sulfonic acid**



This group has at least $6 * 6 * 26 = 936$ possible modifications. And our software generates correct names for all of them.

The table below contains names of several modifications of sulfonic acid generated by Mestrelab/Name, and the other 3 applications. The correct IUPAC names are **bolded**. Their correctness is checked according to IUPAC Blue Book 2013 (Nomenclature of Organic Chemistry. IUPAC Recommendations and Preferred Names 2013), pages 438-439.

Molecule	Mestrelab/Name	Supplier1/Name	Supplier2/Name	Supplier3/Name
	benzenesulfonoperoxothioic OO-acid	benzenesulfonoperoxothioic acid	benzenesulfonoperoxothioic O-acid	S-phenylsulfanesulfiniperoxoic acid

	benzenesulfonyl hydroperoxide <i>SO</i> -acid	2,2-dioxo-2-phenyl-2 ⁶ -disulfan-1-ol	benzenesulfonyl hydroperoxide	S-(benzenesulfonyl)sulfane-SO-thioperoxol
	benzenesulfonodithioic acid <i>OO</i> -acid	benzenesulfonodithioic acid	benzenesulfonodithioic acid	2-phenyl-2 ⁶ -trisulfane-1,2-diene-2-peroxol
	benzenesulfonylthioic acid <i>SO</i> -acid	2-oxo-2-phenyl-2 ⁶ -trisulf-2-en-1-ol	benzenesulfonylthioic acid	[phenyl(hydroxysulfanyl)-λ ⁶ -disulfanyl]one
	benzenesulfonimidoperoxy acid	(S-hydroperoxysulfonimidoyl)benzene	benzenesulfonimidoperoxy acid	[hydroperoxy(oxo)phenyl-λ ⁶ -sulfanylidene]amine
	benzenesulfonodiazidoperoxy acid	2-hydroperoxy-2-phenyl-2 ⁶ -diazathia-1,2-diene	A name could not be generated for this structure.	diimino(phenyl)-λ ⁶ -sulfaneperoxol
	benzenesulfonohydrazonoperoxy acid	[hydroperoxy(oxo)phenyl- ⁶ -sulfanylidene]hydrazine	benzenesulfonohydrazonoperoxy acid	S-phenylhydrazine-1-sulfinoperoxy acid
	benzenesulfonodihydrazonoperoxy acid	1,1'-[hydroperoxy(phenyl)- ⁶ -sulfanediylidene]dihydrazine	A name could not be generated for this structure.	[hydrazinylidene(hydroperoxy)phenyl-λ ⁶ -sulfanylidene]hydrazine