

Bromhexine HCl

Bromhexine hydrochloride is a medication prescribed for coughs which works by dissolving hard phlegm. This tends to be given to those with respiratory diseases who have difficulty coughing this out otherwise – by breaking it down it becomes smaller and easier to expel and this means they can breathe without their airways being blocked while also providing cough relief. It is preferable to some cough medication as it does not include any sedatives which can otherwise make those using the medication drowsy. At the same time many other cough medicines simply sooth the throat without actually breaking down the phlegm.

Bromhexine works by encouraging the body's natural process for clearing mucus from the respiratory tract. It does this by increasing the production of serous mucus which is a thin type of mucus which dilutes the phlegm making it less hard and sticky. This also helps to 'lubricate' that hard phlegm which is already there – aiding the cilia (tiny hairs which line the respiratory tract) in sliding the phlegm out from the lungs. As well as being used on its own it is also included in a range of cough syrups.

Product Name :	Bromhexine HCl
CAS No.	611-75-6
Molecular Formula	$C_{14}H_{20}Br_2N_2.HCl$
Molecular Weight	412.60
Description	White or almost white crystalline Powder Powder
Assay on Dry Basis	98.5 %w/w - 101.5 %w/w