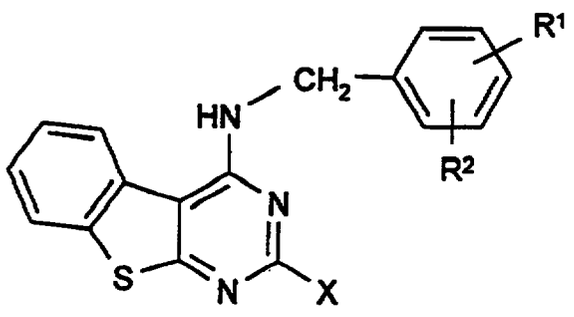
**Abstract**

Thienopyrimidines of the formula I




I

and their physiologically acceptable salts,
in which
$R^1$, $R^2$ and X have the meanings given in Claim 1, inhibit phosphodiesterase V and can be employed for the treatment of illnesses of the cardiovascular system and for the treatment and/or therapy of impaired potency.