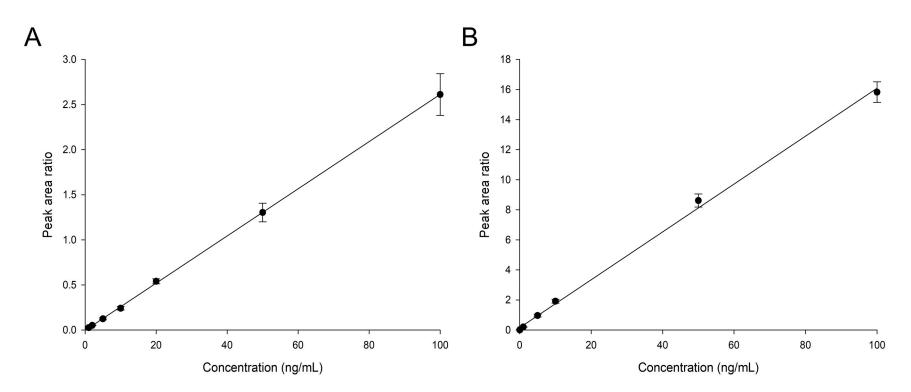
	HPLC-UV							LC-MS/MS			
References	Ahirrao et al.	Malakar et	Li et al.	Shi et al.	Ogiso et al.	Ohtani et	Oiwa et al	Shi et al.	Do et al.	Bae et al.	Yu et al.
	2012	al. 2012	2011	2007	2001	al. 1996	1992	2016	2015	2009	2005
Sample	Bulk drug	Formulation	Human	Human	Rat plasma	Rat	Rat plasma	Human	Dietary	Human	Human tear
			plasma	plasma		plasma		plasma	supplements	plasma	
Calibration	-	2-200	-	-	-	20-1000	-	0.1-40	0.1-5 μg/mL	-	-
range		µg/mL				ng/mL		ng/mL			
LOD	50 ng/mL	$0.2\ \mu\text{g/mL}$	-	-	-	10 ng/mL	-	-	$0.03 \ \mu g/mL$	-	-
LOQ or	180 ng/mL	0.5 µg/mL	-	-	10 ng/mL	20 ng/mL	-	0.1 ng/mL	0.09 µg/mL	1 ng/mL	-
LLOQ											
Run time	25 min	10 min	-	-	30 min	16 min	-	-	10 min	4 min	-
Limitations	Relatively long	Limited to be	Lack of	Lack of	Lack of	Limited to	Lack of	Required time	Limited to be	Lack of	Lack of
	analysis time	directly	specific assay	specific assay	specific assay	be directly	specific assay	for analysis	directly	specific assay	specific assay
	per sample	applied for	information	information	information	applied for	information	and	applied for	information	information
		analysis of	and	and	and	analysis of	and	consumption	analysis of	and	and
		biological	validation	validation	validation	biological	validation	of solvents	biological	validation	validation
		samples	data	data	data	samples	data	were large due	samples	data	data
								to HPLC			
								method			

 Table S1. Summary of previously reported epinastine assays.



**Figure S1**. Calibration curves of epinastine in human plasma by HPLC-UV (A) and UPLC-MS/MS methods (B). The linear straight line refers to the regression line and the vertical bars represent the standard deviation of the mean (n = 5).