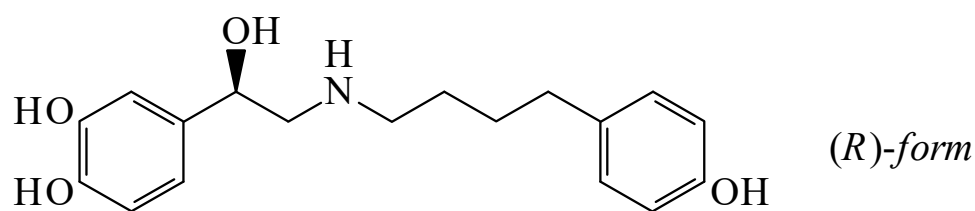




>>Entry Name: Arbutamine, BAN, INN

Synonym(s): 4-[1-Hydroxy-2-[[4-(4-hydroxyphenyl)butyl]amino]ethyl]-1,2-benzenediol, 9CI. Genesa



CAS Registry Number: 130783-37-8

Molecular Formula: $C_{18}H_{23}NO_4$

Molecular Weight: 317.384

Accurate Mass: 317.162709

Percentage Composition: C 68.12%; H 7.30%; N 4.41%; O 20.16%

Use/Importance: Cardiac stimulant used in the detection and evaluation of coronary artery disease

Development Status: Launched 1995 (UK)

Calculated Log P Data: Log P 1.65 (calc)

>>Variant: (R)-form

CAS Registry Number: 128470-16-6

Molecular Formula: $C_{18}H_{23}NO_4$

Molecular Weight: 317.384

Accurate Mass: 317.162709

Percentage Composition: C 68.12%; H 7.30%; N 4.41%; O 20.16%

Other Data: Pharmacol. active isomer

>>Derivative: Hydrochloride

Synonym(s): Arbutamine hydrochloride, USAN. GP 21213

CAS Registry Number: 125251-66-3

Physical Description: Solid

Melting Point: Mp 55-58°

Optical Rotation: $[\alpha]_D^{23} -18.5$ (c, 1.0 in EtOH)

References:

Eur. Pat., 1989, *Gensia Pharm*, 329 464; *CA*, **114**, 602v, (*synth*)

Hammond, H.K. *et al.*, *J. Am. Coll. Cardiol.*, 1994, **23**, 475, (*pharmacol*)

Takaoka, E. *et al.*, *Heterocycles*, 1997, **46**, 157-163, (*synth*)