

Dieda Pills (*Dieda Wan*) – 跌打丸

Sample source

Commercially available Dieda Pills

Chemical reference substances

Dracorhodin perchlorate (National Institute for the Control of Pharmaceutical and Biological Products, Batch number 110811-200203)

Preparation of test solution

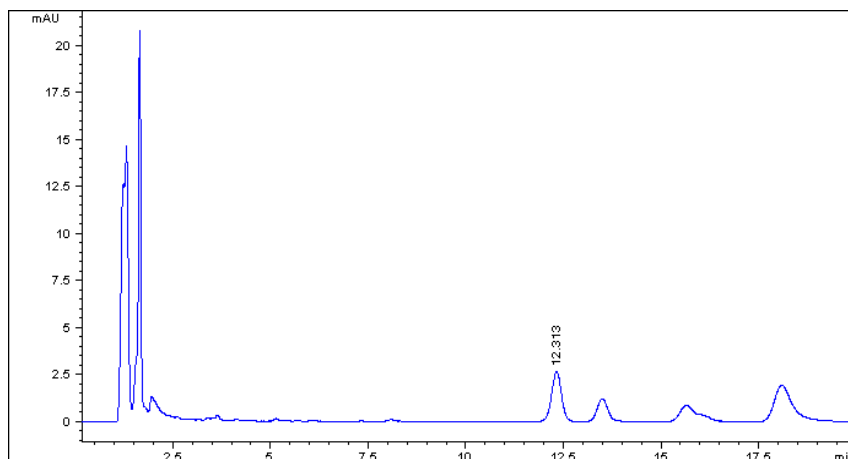
Cut a quantity of the pills into pieces and mix well, accurately weigh 0.4 g of the pieces, accurately add 5 mL of 3 % solution of phosphoric acid in methanol, weigh, heat under reflux for 30 minutes, allow to cool, weigh again and replenish the lost weight with a 3 % solution of phosphoric acid in methanol, mix well, centrifuge, filter the supernatant through a millipore membrane (0.45 μm), use the filtrate as test solution.

Chromatographic conditions

- Column: ZORBAX SB C18 4.6 \times 150 mm, 5 μm (883975-902)
- Column temperature: 35 $^{\circ}\text{C}$
- Mobile phase: acetonitrile-0.05mol/L sodium dihydrogen phosphate (40:60)
- Detector wavelength: 440 nm
- Flow rate: 1.0 mL/min

Chromatographic system

- Agilent 1200 Series quaternary pump with vacuum degasser
- Agilent 1200 Series high-performance autosampler
- Agilent 1200 Series thermostated column compartment
- Agilent 1200 Series variable wavelength detector
- System control through Agilent ChemStation revision B.01.01



Components	k'	Ret Time (min)	Height (mAU)	Area (mAU*s)	n	USP T _r
Dracorhodin	9.261	12.313	2.66	46.0	12005	1.00