

## عنوان مقاله:

validated and Novel Chemiluminescence method for Rapid Determination of Clopidogrel

## محل انتشار:

پنجمین کنفرانس بین المللی پژوهش کاربردی در شیمی و مهندسی شیمی با تاکید بر فناوری های بومی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

In this article, chemiluminescence (CL) has been used to determine clopidogrel. The method is based on the measurement of the CL intensity in the reaction between Ru(phen)<sub>3</sub><sup>2+</sup> and acidic cerium (IV) enhanced by catalytic effect of clopidogrel. The CL intensities was linear over the concentration ranges of 2.0×10<sup>-8</sup> to 8.0×10<sup>-6</sup> mol L<sup>-1</sup>. The detection limit (±3) for clopidogrel calculated 1.2×10<sup>-8</sup> mol L<sup>-1</sup> (5.03 ng mL<sup>-1</sup>). The relative standard deviation for 1.0×10<sup>-7</sup> mol L<sup>-1</sup> clopidogrel was 6.2%. This method successfully applied for the determination of clopidogrel in pharmaceutical formulations. Sampling rate was about 30 samples h<sup>-1</sup>

## کلمات کلیدی:

.Chemiluminescence, Acidic Ce (IV), Ru(phen)<sub>3</sub><sup>2+</sup>, Clopidogrel

## لینک ثابت مقاله در پایگاه سیویلیکا:

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