

**Название:** One-Pot, Three-Component Assembly of Indoloquinolines: Total Synthesis of Isocryptolepine

**Авторы:** Aksenov, AV (Aksenov, Alexander V.); Aksenov, DA (Aksenov, Dmitrii A.); Orazova, NA (Orazova, Naila A.); Aksenov, NA (Aksenov, Nicolai A.); Griaznov, GD (Griaznov, Georgii D.); De Carvalho, A (De Carvalho, Annelise); Kiss, R (Kiss, Robert); Mathieu, V (Mathieu, Veronique); Kornienko, A (Kornienko, Alexander); Rubin, M (Rubin, Michael)

**Источник:** JOURNAL OF ORGANIC CHEMISTRY **Том:** 82 **Выпуск:** 6 **Стр.:** 3011-3018 **DOI:** 10.1021/acs.joc.6b03084 **Опубликовано:** MAR 17 2017

**Аннотация:** Indolo[3,2-c] quinolones have been efficiently synthesized via an acid-mediated, one-pot, three-component condensation of arylhydrazines, o-aminoacetophenones, and triazines or nitriles. The synthetic application of this method is showcased by the concise synthesis of isocryptolepine alkaloid and a series of its synthetic analogues with demonstrated cancer cell antiproliferative activities.

**Идентификационный номер:** WOS:000397077500023

**Идентификатор PubMed:** 28253622

**Идентификаторы авторов:**

Автор	Номер ResearchID	Номер ORCID
Aksenov, Nicolai	M-6699-2014	0000-0002-7125-9066
Rubin, Michael	N-5699-2016	0000-0002-1668-9311
Aksenov, Alexander	H-3206-2012	0000-0002-6644-9949

**ISSN:** 0022-3263