



SDI Review Form 1.6

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	2014_IRJPAC_10534
Title of the Manuscript:	Kinetics of Oxidation of Diazepam by N-Bromosuccinimide in Acid Medium: A Mechanistic Study
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<u>Compulsory</u> REVISION comments	The only presented experimental evidence of the mechanistic proposal was the solvent effect, agreeing with the charge dispersion going to transition state. I think that is not enough even considering the proposal is consistent. The modest positive enthalpy of activation probably is due to few changes in solvation going from quaternary ammonium cation to a disperse charged transition state. This explains the large entropy difference obtained and suggest a concerted Bromine transfer.	
<u>Minor</u> REVISION comments	There are five points in Figure I but only four values in the Table 2. Sources of permittivity must be cited The MeOH content must be defined (mass, vol, etc) Ref 14 was presented with wrong year	
<u>Optional/General</u> comments	It may be reconsidered with improvements of solvent-induced effects and a reinterpretation of thermodynamic parameters.	

Note: Anonymous Reviewer