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Design and synthesis of nitrogen containing heterocyclic fragments via isocyanide chemistry and their biological evaluation as potential inhibitors of HIV-1 replication

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List of corrections from examiner 3

- Comment 1: Page 3 in sentence 5 and page 7 sentence 2 : the word **nucleus** was replaced by **DNA**
- Comment 2 Page 8: although mechanism of D77 is questionable it has been reported to inhibit the LEDGF/p75–IN interaction in a yeast two-hybrid based cellular reporter assay
- Comment 3 Page 13 section 1.2.1.3. line 15 statement "**a small molecule exceeding 50% is considered a good inhibitor**" was omitted.
- Comment 4 page 65 the IC50 read 302 not 30.2
- Comment 5 page 77 the advice given regarding the ITC will be considered in future work
- Comment 6 control for HIV-1 IN-LEDGF/p75 and Vpu-BST-2 were included in manuscript as per suggestion
- Comment 7 advice given in comment 7 will also be considered in future work
- Comment 8. Page 204 Section 8.1.4.4 "**Time of addition assay and TOA for submitted compounds were not conducted**" to answer question asked by examiner 3
- Comment 9 microgram per ml values were recorded as micromolar in revised chapter 7 as per suggested
- Comment 10: **Note:** experimental procedure for **section 8.1.4.3** (page 204), **8.1.4.4 (page 204)** and **8.1.4.5** (page 205) were revised as per suggested.