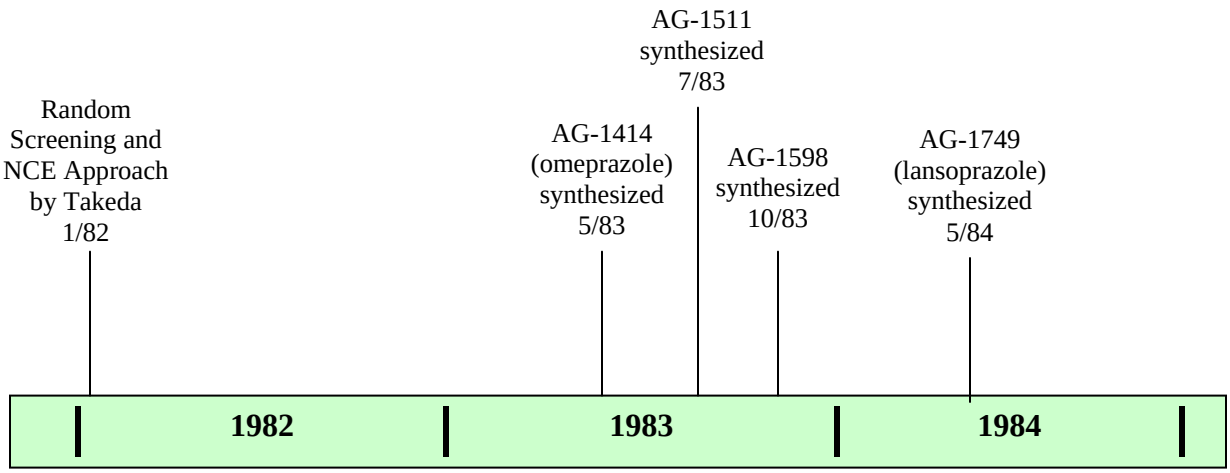
APPENDIX A

Timeline of Takeda's Development of Lansoprazole Using Me-Too Approach



Substituents Used By Takeda During The Development of Lansoprazole

Methyls and Fluorinated Methyls	$-CH_3$, $-CH_2CH_3$; $-CF_3$
Ethyls	$-CH_2CH_3$
Alkoxies, Fluoroalkoxies, and Alkoxy-Linked Substituents	$-OCH_3$; $-OCH_2$; $-OCH_2CH_3$; $-O(CH_2)_2CH_3$; $-O(CH_2)_3CH_3$; $-O(CH_2)_5CH_3$; $-O(CH_2)_7CH_3$; $-OC_6H_5$; $-OCH_2C_6H_5$; $-OCH(CH_3)_2$; $-OCH_2C(CH_3)_3$; $-OCH_2CH(CH_3)_2$; $-OCHCH$; $-OCH_2CCH$; $-OCH_2CHCH_2$; $-OCH_2CF_3$; $-OCH_2CF_2CF_3$
Halogen	-F