

APPENDIX

Appendix Table 1

A. Serum gastrin concentrations in patients treated with vonoprazan 10 mg, vonoprazan 20 mg, or lansoprazole 15 mg for up to 104 weeks.

Week	Median, pg/mL [Min, Max] (Q1, Q3)		
	Lansoprazole 15 mg	Vonoprazan 10 mg	Vonoprazan 20 mg
0	134 [40, 2010] (79, 291) n=213	159.5 [33, 1320] (81, 370) n=202	160 [30, 2530] (93, 335) n=201
4	190.5 [47, 1890] (122, 336.5) n=216	442.5 [62, 2740] (195.5, 678) n=200	548 [61, 5000] (298, 744) n=202
8	203 [47, 1310] (115, 411) n=215	477 [79, 3040] (236, 699) n=197	618.5 [79, 5810] (315.5, 742) n=196
12	204 [50, 1570] (122, 361) n=209	497 [67, 3150] (243.5, 718.5) n=196	590.5 [64, 3160] (297, 748) n=194
16	224 [39, 2160] (120, 420)	527 [81, 3520] (275.5, 719)	675 [52, 5060] (356, 814)

Week	Median, pg/mL [Min, Max] (Q1, Q3)		
	Lansoprazole 15 mg	Vonoprazan 10 mg	Vonoprazan 20 mg
	n=206	n=188	n=190
20	220 [44, 2040] (122, 464)	587 [67, 4620] (315.5, 737.5)	658.5 [39, 5290] (425, 804)
	n=203	n=188	n=186
24	249 [52, 1290] (129, 454)	529.5 [65, 4220] (302, 727)	672 [48, 5030] (415, 858)
	n=199	n=186	n=186
36	230 [59, 2710] (136, 448)	569 [71, 4300] (335, 736)	705 [115, 5350] (531, 897)
	n=151	n=149	n=133
52	233 [49, 1350] (140.5, 447.5)	637 [69, 5930] (320, 750)	703.5 [93, 5370] (470, 984)
	n=144	n=146	n=130
64	240 [55, 741] (128, 439)	679 [108, 6070] (411, 754)	705 [93, 2910] (347, 891)
	n=51	n=63	n=58
76	255.5 [67, 707] (147.5, 431)	656 [176, 5140] (497, 915)	705 [222, 1530] (406, 891)
	n=16	n=18	n=13

	Median, pg/mL [Min, Max] (Q1, Q3)		
Week	Lansoprazole 15 mg	Vonoprazan 10 mg	Vonoprazan 20 mg
88	362 n=1	537.5 [373, 702] (373, 702) n=2	904 n=1
104	n=0	508 n=1	n=0

B. Logistic regression analysis of factors for patients with serum gastrin concentrations > 500 pg/mL after baseline

Variable	Odds Ratio	95% CI		p-value
TAK-438 10mg vs AG-1749 15mg	9.31	5.408	16.031	<.0001
TAK-438 20mg vs AG-1749 15mg	11.82	6.751	20.689	<.0001
Age (year)	0.97	0.943	0.997	0.0299
Male vs Female	0.71	0.345	1.450	0.3440
H. pylori: Negative vs Positive	1.64	0.952	2.810	0.0748
CYP2C19: PM vs EM	0.90	0.515	1.589	0.7265
Never Smoked vs Current or EX-Smoker	1.51	0.807	2.833	0.1965
Never Drink vs Drinker	1.02	0.628	1.663	0.9309
Gastric Ulcer: Yes vs No	0.26	0.038	1.844	0.1792
Baseline Gastrin (pg/mL)	1.01	1.007	1.012	<.0001
Baseline Pepsinogen I/II Ratio	0.92	0.830	1.028	0.1460

* Event: serum gastrin concentrations > 500 pg/mL after baseline

* There was no subject with duodenum ulcer.